

HEAVY DUTY WRENCH SERIES



Slogging Open End Wrench

- Chrome-Molybdenum Alloy Steel
- Manganese Phosphate Finished



ITEM NO.	SIZE(mm)	L(mm)	Black Phosphate	Black Phosphate Finished
AAEY2424	24	168	5	60
AAEY2727	27	179	5	60
AAEY3030	30	189	5	40
AAEY3232	32	189	5	40
AAEY3636	36	213	4	24
AAEY3838	38	213	4	24
AAEY4141	41	234	2	12
AAEY4646	46	252	2	12
AAEY5050	50	297	2	12
AAEY5555	55	297	2	12
AAEY6060	60	336	2	4
AAEY6565	65	336	2	4
AAEY7070	70	367	1	2
AAEY7575	75	367	1	2
AAEY8080	80	398	1	2

Slogging Open End Wrench (Jumbo)

- Chrome-Molybdenum Alloy Steel
- Manganese Phosphate Finished



ITEM NO.	SIZE(mm)	L(mm)	Black Phosphate	Black Phosphate Finished
AAEY8585	85	400	1	2
AAEY9090	90	450	1	2
AAEY9595	95	450	1	2
AAEY1000	100	480	1	1
AAEY1050	105	480	1	1
AAEY1100	110	515	1	1
AAEY1150	115	515	1	1
AAEY1200	120	555	1	1
AAEY1250	125	555	1	1
AAEY1300	130	556	1	1
AAEY1350	135	556	1	1

Slogging Ring Wrench

- Chrome-Molybdenum Alloy Steel
- Manganese Phosphate Finished



ITEM NO.	SIZE(mm)	L(mm)	Black Phosphate	Black Phosphate Finished
AAAR2222	22	162	8	96
AAAR2323	23	162	8	96
AAAR2424	24	162	8	96
AAAR2525	25	162	8	96
AAAR2626	26	179	5	60
AAAR2727	27	179	5	60
AAAR2828	28	179	5	60
AAAR2929	29	189	5	60
AAAR3030	30	189	5	60
AAAR3232	32	189	5	60
AAAR3333	33	189	5	60
AAAR3434	34	204	4	32
AAAR3535	35	204	4	32
AAAR3636	36	204	4	32
AAAR3838	38	204	4	32
AAAR4040	40	229	3	24
AAAR4141	41	229	3	24
AAAR4242	42	229	3	24
AAAR4343	43	229	3	24
AAAR4444	44	240	2	16
AAAR4545	45	240	2	16
AAAR4646	46	240	2	16
AAAR4747	47	240	2	16
AAAR4848	48	253	2	16
AAAR5050	50	253	2	16
AAAR5252	52	253	2	16
AAAR5555	55	271	2	12
AAAR6060	60	281	2	12
AAAR6565	65	281	2	12
AAAR7070	70	335	1	6
AAAR7575	75	335	1	6
AAAR8080	80	365	1	4
AAAR8585	85	365	1	4
AAAR9090	90	400	1	2
AAAR9595	95	400	1	2
AAARA0A0	100	435	1	2
AAARA5A5	105	435	1	2

Slogging Ring Wrench (Jumbo)

- Chrome-Molybdenum Alloy Steel
- Manganese Phosphate Finished



ITEM NO.	SIZE(mm)	L(mm)	Black Phosphate	Black Phosphate Finished
AAARB0B0	110	450	1	2
AAARB5B5	115	450	1	2
AAARC0C0	120	480	1	1
AAARC5C5	125	480	1	1
AAARD0D0	130	510	1	1
AAARD5D5	135	510	1	1
AAARE0E0	140	510	1	1
AAARE5E5	145	510	1	1
AAARF0F0	150	520	1	1

Single Open End Wrench

- Chrome-Molybdenum Alloy Steel
- Manganese Phosphate Finished



ITEM NO.	SIZE(mm)	L(mm)	Black Phosphate	Black Phosphate Finished
AAAT1616	16	161	10	160
AAAT1717	17	161	10	160
AAAT1818	18	161	10	160
AAAT1919	19	177	10	160
AAAT2020	20	177	10	160
AAAT2121	21	177	10	160
AAAT2222	22	197	6	96
AAAT2323	23	197	6	96
AAAT2424	24	197	6	96
AAAT2525	25	216	6	48
AAAT2626	26	216	6	48
AAAT2727	27	216	6	48
AAAT2828	28	243	6	48
AAAT2929	29	243	6	48
AAAT3030	30	243	6	48
AAAT3232	32	273	5	40
AAAT3333	33	273	5	40
AAAT3434	34	273	5	40
AAAT3535	35	299	5	30
AAAT3636	36	299	5	30
AAAT3838	38	299	5	30
AAAT4141	41	337	4	24
AAAT4242	42	337	4	24
AAAT4343	43	337	4	24
AAAT4444	44	374	3	18
AAAT4545	45	374	3	18
AAAT4646	46	374	3	18
AAAT4848	48	417	3	12
AAAT5050	50	417	3	12
AAAT5555	55	496	2	8
AAAT5858	58	496	2	8
AAAT6060	60	496	2	8

Single Ring Wrench 45° Offset

- Chrome-Molybdenum Alloy Steel
- Manganese Phosphate Finished



ITEM NO.	SIZE(mm)	L(mm)	Black Phosphate	Black Phosphate Finished
AAAS1717	17	324	5	30
AAAS1919	19	324	5	30
AAAS2121	21	368	5	20
AAAS2222	22	368	5	20
AAAS2323	23	368	5	20
AAAS2424	24	382	5	20
AAAS2626	26	382	5	20
AAAS2727	27	394	5	20
AAAS2929	29	394	5	20
AAAS3030	30	410	5	20
AAAS3232	32	410	5	20
AAAS3434	34	465	4	16
AAAS3535	35	465	4	16
AAAS3636	36	465	4	16
AAAS3838	38	490	3	12
AAAS4141	41	490	3	12
AAAS4343	43	519	3	12
AAAS4444	44	519	3	12
AAAS4646	46	519	3	12
AAAS4848	48	594	2	4
AAAS5050	50	594	2	4
AAAS5555	55	594	2	4
AAAS5858	58	616	1	2
AAAS6060	60	616	1	2
AAAS6565	65	616	1	2

Single Ring Wrench 70° Offset

- Made of drop forged Chrome Molybdenum Alloy Steel
- Specially tempered and hardened for maximum toughness and torque
- 70° offset ring end in design for greater access in recess
- Safety spring pin locking mechanism ensures positive retention with drive handle
- Suitable for heavy industry, shipbuilding, plant construction and all kinds of heavy duty applications
- Manufactured in accordance to DIN ISO 691, DIN ISO 1711-1
- Designed to be used with drive handle (TOPTUL Part No. ALEE Series)



Drive Handle

- Made of Chrome Molybdenum Alloy Steel
- Seamless Pipe
- To be used with 70° offset single ring wrench (TOPTUL Part No. AEA series)
- Chrome plated
- Ideal for extending the lever arm and applying higher forces

ITEM NO.	Inner Diameter (mm)	L (mm)	Applicable Wrench Size (mm)	Satin Finished
ALEE2430	19	460	24-30	5 30
ALEE3241	22	610	32-41	4 16
ALEE4655	25	760	46-55	4 16
ALEE60A5	30	860	60-70 (Max.105)	4 8

Single Ring Wrench 70° Offset



HEAVY DUTY WRENCH SERIES

Single Ring Wrench 45° Offset.

- Chrome Vanadium Alloy Steel
- Manganese Phosphate Finished
- Designed to be used with drive handle (TOPTUL Part No. ALEA series)



ITEM NO.	SIZE(mm)	L(mm)	Black Phosphate	Black Phosphate Finished
AAAV2424	24	190	5	20
AAAV2727	27	190	5	20
AAAV3232	32	195	5	20
AAAV3636	36	213	2	8
AAAV3838	38	213	2	8
AAAV4141	41	251	2	8
AAAV4343	43	251	2	8
AAAV4646	46	274	2	8
AAAV6060	60	300	2	8
AAAV7575	75	340	2	4
AAAV8080	80	340	2	4
AAAV8585	85	360	2	4
AAAV9090	90	360	2	4
AAAV9595	95	378	1	2
AAAVA0A0	100	378	1	2
AAAVA5A5	105	380	1	2

Drive Handle

- Chrome Vanadium Alloy Steel
- To be used with 45° offset single ring wrench (TOPTUL Part No. AAV series)



ITEM NO.	CAPACITY(mm)	L(mm)	Satin Finished
ALEA2430	24-30	350	5 20
ALEA3255	32-55	580	4 16
ALEA60A5	60-105	850	4 8



Hi-Performance Combination Wrench 15° Offset

- Chrome Vanadium Alloy Steel
- Thin profile head and ring for easy access in confined spaces
- Light weight model
- High torque performance as over 1.6 times as ANSI & DIN standard
- Satin chrome finished for maximum durability and corrosion resistance



ITEM NO. Satin	SIZE(mm)	L(mm)	15°	15°
AAEX5E5E	5.5	104	10	320
AAEX0606	6	104	10	320
AAEX0707	7	114	10	320
AAEX0808	8	124	10	320
AAEX0909	9	131	10	320
AAEX1010	10	143	10	320
AAEX1111	11	151	10	240
AAEX1212	12	160	10	120
AAEX1313	13	169	10	120
AAEX1414	14	180	10	120
AAEX1515	15	192	10	80
AAEX1616	16	198	10	80
AAEX1717	17	206	10	80
AAEX1818	18	214	10	80

※NOTE: AAEX5E5E 6PT Ring End

ITEM NO. Satin	SIZE(mm)	L(mm)	15°	15°
AAEX1919	19	223	10	80
AAEX2020	20	236	10	80
AAEX2121	21	243	10	80
AAEX2222	22	255	5	40
AAEX2323	23	266	5	40
AAEX2424	24	274	5	40
AAEX2525	25	284	5	40
AAEX2626	26	294	5	30
AAEX2727	27	304	5	30
AAEX2828	28	315	5	30
AAEX2929	29	327	5	30
AAEX3030	30	340	5	30
AAEX3232	32	355	5	20

ITEM NO. Satin	SIZE(inch)	L(mm)	15°	15°
ACEX0808	1/4	104	10	320
ACEX1010	5/16	124	10	320
ACEX1111	11/32	131	10	320
ACEX1212	3/8	143	10	320
ACEX1414	7/16	151	10	240
ACEX1616	1/2	169	10	120
ACEX1818	9/16	180	10	120
ACEX2020	5/8	198	10	80
ACEX2222	11/16	206	10	80
ACEX2424	3/4	223	10	80
ACEX2626	13/16	236	10	80
ACEX2828	7/8	255	5	40
ACEX3030	15/16	274	5	40
ACEX3232	1	284	5	40
ACEX3434	1-1/16	304	5	30
ACEX3636	1-1/8	315	5	30
ACEX4040	1-1/4	355	5	20

METAL BOX

15° Offset Hi-Performance Combination Wrench Set

16PCS



ITEM NO. Satin	CONTENTS	3 (SET)
GAAD1603	16 AAEX0606~2424 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 24	

METAL CASE: W445 x D188 x H50 (mm)

STORAGE RACK

15° Offset Hi-Performance Combination Wrench Set

12PCS



ITEM NO. Satin	CONTENTS	5 (SET)
GBAC1201	12 ACEX0808~2828 1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8"	

STORAGE RACK

15° Offset Hi-Performance Combination Wrench Set



ITEM NO. Satin	CONTENTS	5 (SET)
GAAC0901	9 AAEX0606~1919 6, 7, 8, 9, 10, 12, 13, 14, 17, 19	



ITEM NO. Satin	CONTENTS	5 (SET)
GAAC1201	12 AAEX0606~1919 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 19	

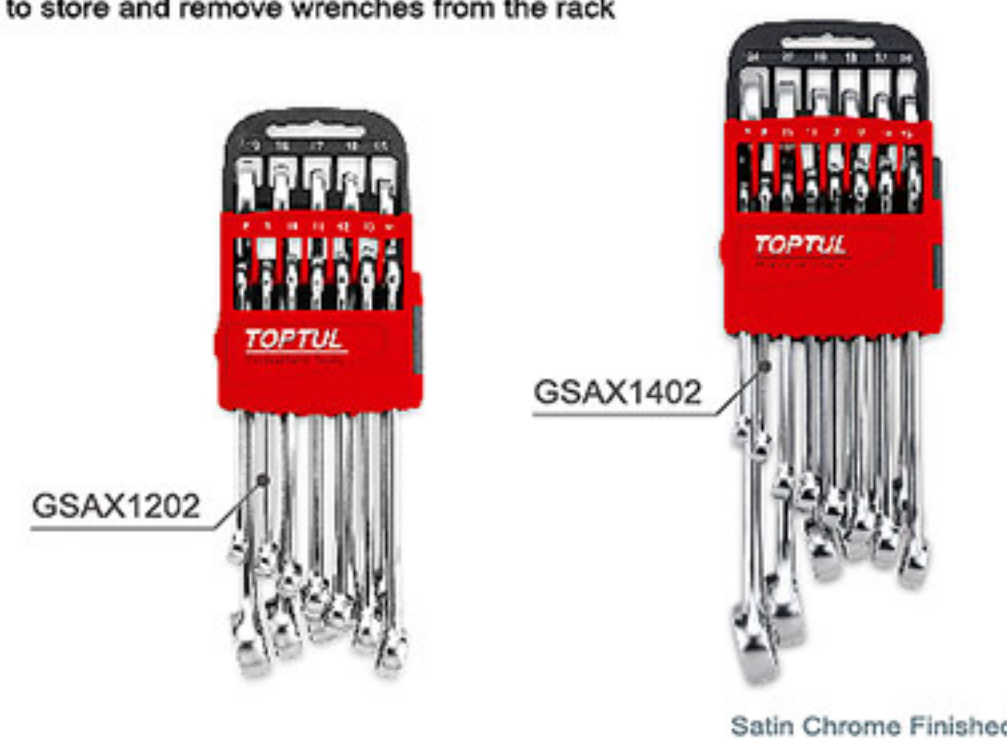


ITEM NO. Satin	CONTENTS	5 (SET)
GAAC1401	14 AAEX0606~2424 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 19, 22, 24	

STORAGE RACK

15° Offset Hi-Performance Combination Wrench Set

- Premium storage rack made of oil-proof, high impact-resistant, extended longevity composite plastic material
- Self-aligning design snaps the wrenches quickly into place
- Easy to store and remove wrenches from the rack



ITEM NO. Satin	CONTENTS	(SET)
GSAX1202	12 AAEX0808~1919 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	6
GSAX1402	14 AAEX0707~2424 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 24	6



POUCH BAG - BLACK

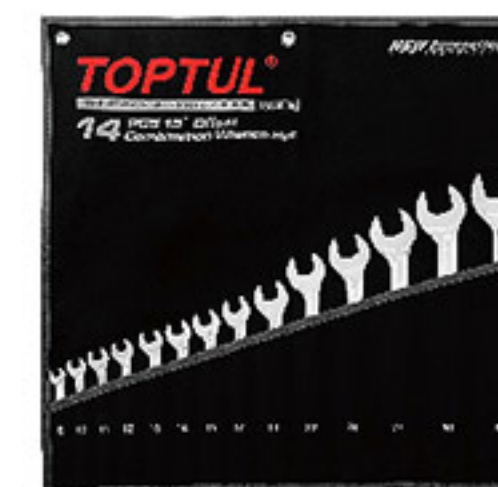
15° Offset Hi-Performance Combination Wrench Set



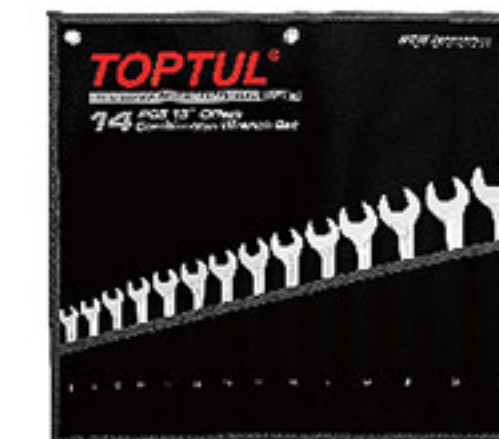
GPAX1202



GPAX1203



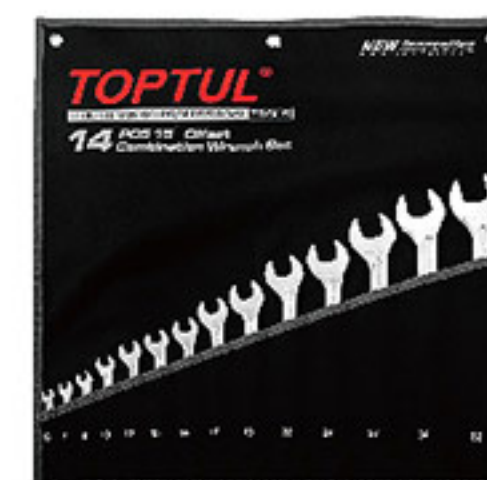
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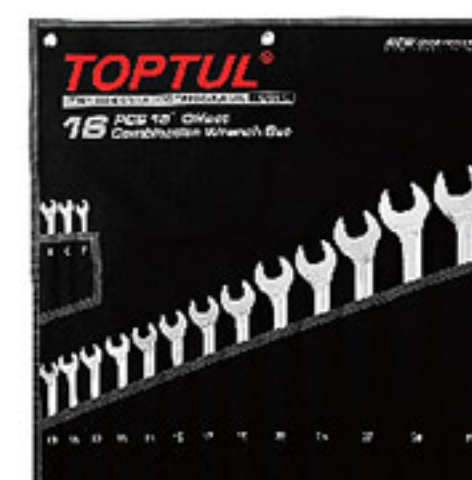
GPAX1402

ITEM NO. Satin	CONTENTS	(SET)
GPAX1202	12 AAEX0606~2222 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 19, 22	10
GPAX1203	12 AAEX0808~2424 8, 9, 10, 11, 12, 13, 14, 16, 17, 19, 21, 24	10

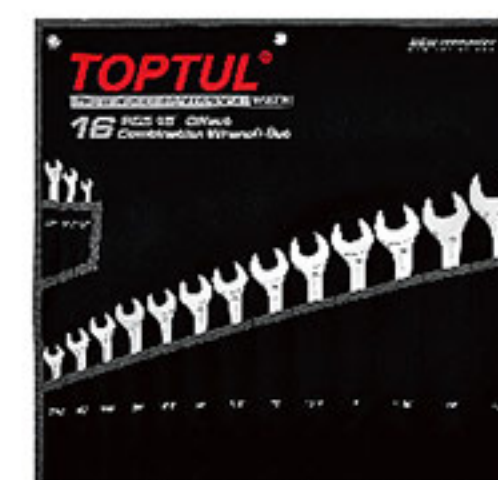
ITEM NO. Satin	CONTENTS	(SET)
GPAX1401	14 AAEX0808~3232 8, 10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30, 32	4
GPAX1402	14 AAEX0808~2424 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24	10



GPAX1403



GPAX1601



GPBX1601



GPAX2601

ITEM NO. Satin	CONTENTS	(SET)
GPAX1403	14 AAEX0606~3232 6, 7, 8, 10, 12, 13, 14, 17, 19, 22, 24, 27, 30, 32	6
GPAX1601	16 AAEX0707~3232 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30, 32	4

ITEM NO. Satin	CONTENTS	(SET)
GPBX1601	16 ACEX0808~4040 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-1/4"	4
GPAX2601	26 AAEX0606~3232 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	3

SUPER-TORQUE COMBINATION WRENCH 15° OFFSET



— AAEX SERIES —

HI-PERFORMANCE COMBINATION WRENCH

FOR AUTOMOTIVE REPAIR & MAINTENANCE
(Thin and light weight model for quick tightening & loosening applications)

— AAEW SERIES —

SUPER-TORQUE COMBINATION WRENCH

FOR HEAVY DUTY INDUSTRIAL APPLICATIONS
(Strong model for toughest tightening & loosening jobs)



■ More Efficient Open-End Design

The improved design of 15 degree bending open-end offers a better tightening and untightening accessibility.

■ Extra Comfort & Effective Grip

Larger side handle and recess frame handle design maximize the contact comfort with the hand.

■ Better Ring Head Accessibility

Specially designed ring head provides better clearance for reaching recessed spaced nuts.

Super-Torque Combination Wrench 15° Offset

- Chrome Vanadium Alloy Steel
- Robust construction design to work under extreme conditions
- High torque performance as over 2 times as ANSI & DIN standard
- Satin chrome finished for maximum durability and corrosion resistance



• METRIC



• SAE

METRIC / Satin Chrome Finished				
ITEM NO. Satin	SIZE(mm)	L(mm)	10	320
AAEW0606	6	104	10	320
AAEW0707	7	114	10	320
AAEW0808	8	124	10	320
AAEW0909	9	131	10	320
AAEW1010	10	143	10	320
AAEW1111	11	151	10	240
AAEW1212	12	160	10	120
AAEW1313	13	169	10	120
AAEW1414	14	180	10	120
AAEW1515	15	192	10	80
AAEW1616	16	198	10	80
AAEW1717	17	206	10	80
AAEW1818	18	214	10	80

METRIC / Satin Chrome Finished				
ITEM NO. Satin	SIZE(mm)	L(mm)	10	80
AAEW1919	19	223	10	80
AAEW2020	20	236	10	80
AAEW2121	21	243	10	80
AAEW2222	22	255	5	40
AAEW2323	23	266	5	40
AAEW2424	24	274	5	40
AAEW2525	25	284	5	40
AAEW2626	26	294	5	30
AAEW2727	27	304	5	30
AAEW2828	28	315	5	30
AAEW2929	29	327	5	30
AAEW3030	30	340	5	30
AAEW3232	32	355	5	20

SAE / Satin Chrome Finished				
ITEM NO. Satin	SIZE(inch)	L(mm)	10	320
ACEW0808	1/4	104	10	320
ACEW1010	5/16	124	10	320
ACEW1111	11/32	131	10	320
ACEW1212	3/8	143	10	320
ACEW1414	7/16	151	10	240
ACEW1616	1/2	169	10	120
ACEW1818	9/16	180	10	120
ACEW2020	5/8	198	10	80
ACEW2222	11/16	206	10	80
ACEW2424	3/4	223	10	80
ACEW2626	13/16	236	10	80
ACEW2828	7/8	255	5	40
ACEW3030	15/16	274	5	40
ACEW3232	1	284	5	40
ACEW3434	1-1/16	304	5	30
ACEW3636	1-1/8	315	5	30
ACEW4040	1-1/4	355	5	20

POUCH BAG - BLACK

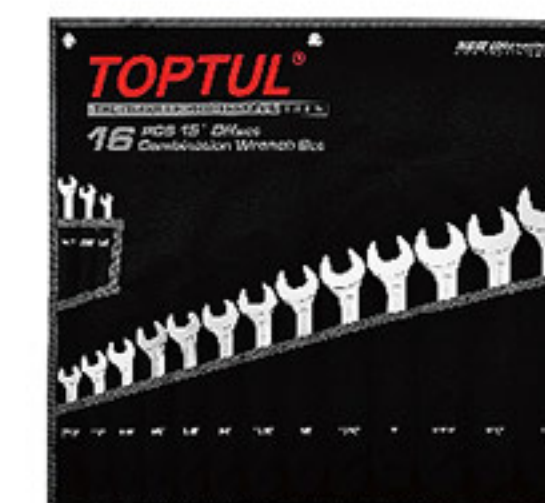
15° Offset Super-Torque Combination Wrench Set



ITEM NO. Satin	CONTENTS	10 (SET)
GPAW1202	12 AAEW0606~2222 6, 7, 8, 10, 11, 12, 13, 14, 15, 17, 19, 22	



ITEM NO. Satin	CONTENTS	3 (SET)
GPAW2601	26 AAEW0606~3232 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	



ITEM NO. Satin	CONTENTS	4 (SET)
GPBW1601	16 ACEW0808~4040 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-1/4"	

— AAEQ SERIES — SUPER-TORQUE DYNAMIC COMBINATION WRENCH



TOPTUL Dynamic / Ratchet-Effect Combination Wrench

This special designed open end wrench allows the user to tighten or loosen the fastener without removing the wrench from the fastener to change position. The open end grabs the fastener when torque pressure is applied making it difficult to slip. Perfect for confined space applications.

Super-Torque Dynamic Combination Wrench 15° Offset

- Chrome Vanadium Alloy Steel
- Robust construction design to work under extreme conditions
- High torque performance as over 1.6 times as ANSI & DIN standard
- Satin chrome finished for maximum durability and corrosion resistance



METRIC / Satin Chrome Finished				
ITEM NO. Satin	SIZE(mm)	L(mm)	10	320
AAEQ0808	8	124	10	320
AAEQ0909	9	131	10	320
AAEQ1010	10	143	10	320
AAEQ1111	11	151	10	240
AAEQ1212	12	160	10	120
AAEQ1313	13	169	10	120
AAEQ1414	14	180	10	120
AAEQ1515	15	192	10	80
AAEQ1616	16	198	10	80

METRIC / Satin Chrome Finished				
ITEM NO. Satin	SIZE(mm)	L(mm)	10	80
AAEQ1717	17	206	10	80
AAEQ1818	18	214	10	80
AAEQ1919	19	223	10	80
AAEQ2020	20	236	10	80
AAEQ2121	21	243	10	80
AAEQ2222	22	255	5	40
AAEQ2323	23	266	5	40
AAEQ2424	24	274	5	40

POUCH BAG - BLACK 14PCS

15° Offset Super-Torque Dynamic Combination Wrench Set



ITEM NO. Satin	CONTENTS	10 (SET)
GPAQ1402	14 AAEQ0808~2424 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24	



Long Combination Wrench 15° Offset

- Chrome Vanadium Alloy Steel
- Long shank for extra torque with less operational strength requirement
- Professional quality for maximum durability and corrosion resistance



• METRIC



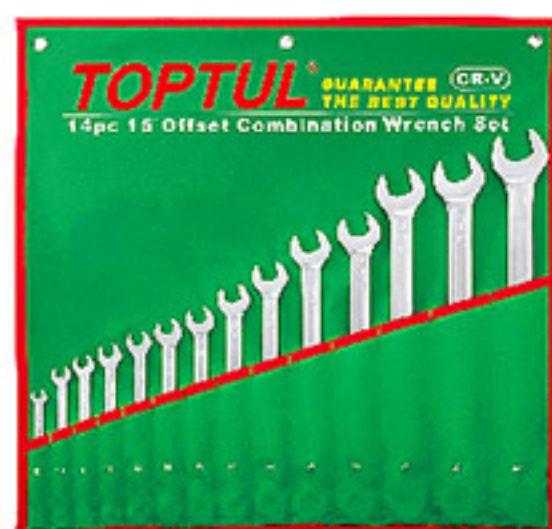
• SAE

ITEM NO. Satin	SIZE(mm)	L(mm)	10	320
AAEA0606	6	129	10	320
AAEA0707	7	136	10	320
AAEA0808	8	145	10	240
AAEA0909	9	157	10	240
AAEA1010	10	170	10	240
AAEA1111	11	182	10	120
AAEA1212	12	193	10	120
AAEA1313	13	205	10	80
AAEA1414	14	218	10	80
AAEA1515	15	230	10	80
AAEA1616	16	241	10	80
AAEA1717	17	254	10	80
AAEA1818	18	266	10	80

ITEM NO. Satin	SIZE(mm)	L(mm)	10	80
AAEA1919	19	278	10	80
AAEA2020	20	278	10	80
AAEA2121	21	301	10	60
AAEA2222	22	316	5	30
AAEA2323	23	335	5	30
AAEA2424	24	335	5	30
AAEA2525	25	369	5	30
AAEA2626	26	369	5	30
AAEA2727	27	385	5	30
AAEA2828	28	385	5	30
AAEA2929	29	402	5	30
AAEA3030	30	402	5	30
AAEA3232	32	429	5	10

ITEM NO. Satin	SIZE(inch)	L(mm)	10	320
ACEA0808	1/4	129	10	320
ACEA1010	5/16	145	10	240
ACEA1111	11/32	157	10	240
ACEA1212	3/8	170	10	240
ACEA1414	7/16	182	10	120
ACEA1616	1/2	205	10	80
ACEA1818	9/16	218	10	80
ACEA2020	5/8	241	10	80
ACEA2222	11/16	254	10	80
ACEA2424	3/4	278	10	80
ACEA2626	13/16	301	10	60
ACEA2828	7/8	316	5	30
ACEA3030	15/16	335	5	30
ACEA3232	1	369	5	30
ACEA3434	1-1/16	385	5	30
ACEA3636	1-1/8	402	5	30
ACEA4040	1-1/4	429	5	10

POUCH BAG - GREEN 14PCS 15° Offset Long Combination Wrench Set



ITEM NO. Satin	CONTENTS	4 (SET)
GAAG1402	14 AAEA0808~3232 8, 10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30, 32	

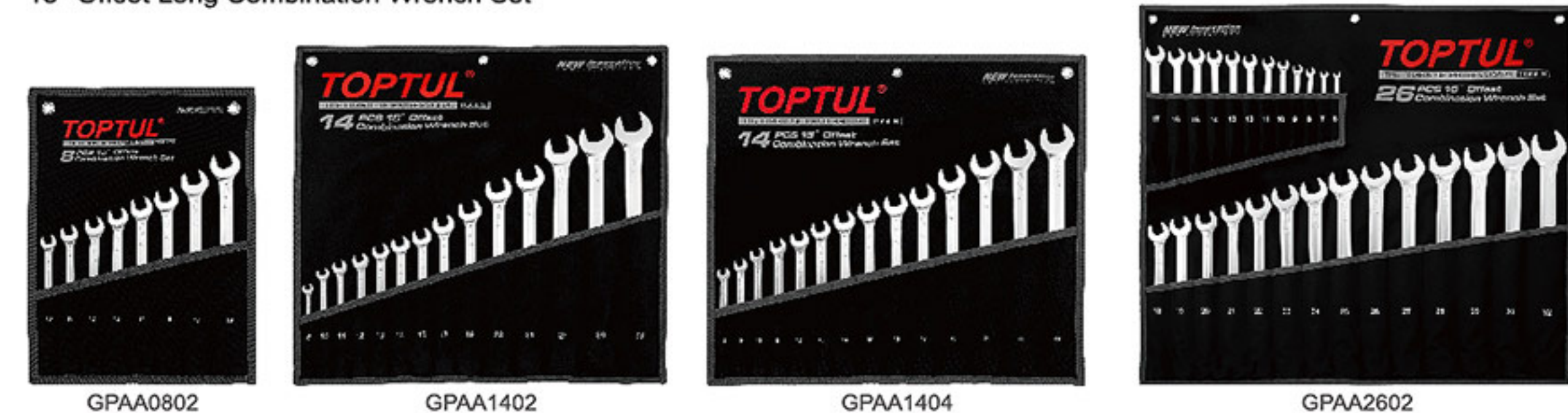
POUCH BAG - GREEN 16PCS 15° Offset Long Combination Wrench Set



ITEM NO. Satin	CONTENTS	4 (SET)
GBAA1602	16 ACEA0808~4040 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-1/4"	



POUCH BAG - BLACK 15° Offset Long Combination Wrench Set



ITEM NO. Satin	CONTENTS	10 (SET)
GPAA0802	8 AAEA1010~1919 10, 11, 12, 13, 14, 15, 17, 19	
GPAA1402	14 AAEA0808~3232 8, 10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30, 32	4

ITEM NO. Satin	CONTENTS	6 (SET)
GPAA1404	14 AAEA0808~2424 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24	

ITEM NO. Satin	CONTENTS	3 (SET)
GPAA2602	26 AAEA0606~3232 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	

EXTRA LONG COMBINATION WRENCH 15° OFFSET

- Chrome Vanadium Alloy Steel
- Extra long shank for reaching fasteners easily in deep space
- Professional quality for maximum durability and corrosion resistance



Extra Long Combination Wrench 15° Offset



ITEM NO. Satin	SIZE(mm)	L(mm)	10	120
AAEL1010	10	187	10	120
AAEL1111	11	205	10	80
AAEL1212	12	223	10	80
AAEL1313	13	241	10	80
AAEL1414	14	259	10	80
AAEL1515	15	277	10	80
AAEL1616	16	295	10	80
AAEL1717	17	312	10	60
AAEL1818	18	331	10	60
AAEL1919	19	347	10	60

TRAY 10PCS 15° Offset Extra Long Combination Wrench Set



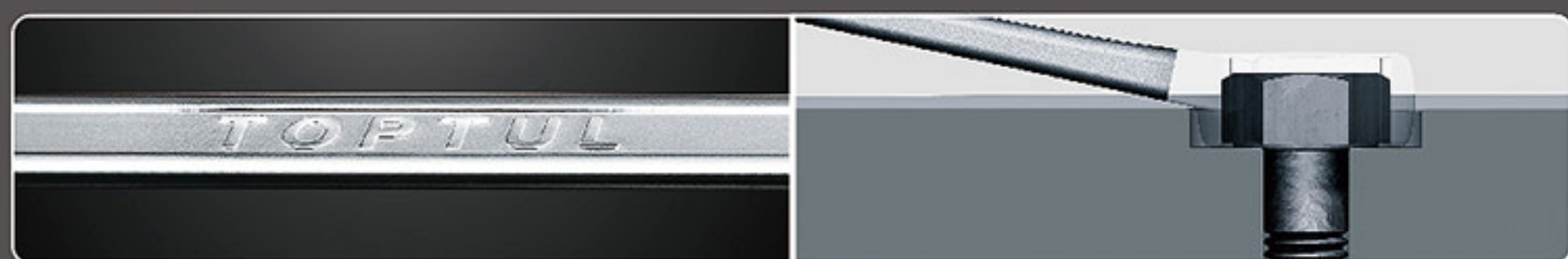
ITEM NO. Satin	CONTENTS	10 (SET)
GAAG1008	10 AAEL1010~1919 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	

STORAGE RACK 7PCS 15° Offset Extra Long Combination Wrench Set



ITEM NO. Satin	CONTENTS	2 (SET)
GAAM0706	7 AAEL1010~1919 10, 11, 12, 13, 14, 17, 19	

PRO-LINE COMBINATION WRENCH 15° OFFSET



Pro-Line Combination Wrench 15° Offset

- Chrome Vanadium Alloy Steel
- Thin profile head and ring for easy access in confined spaces
- Light weight model
- High torque performance as over 1.6 times as ANSI & DIN standard
- Satin chrome finished for maximum durability and corrosion resistance



ITEM NO. Satin	SIZE(mm)	L(mm)	10 (SET)	320
AABW0606	6	104	10	320
AABW0707	7	114	10	320
AABW0808	8	124	10	320
AABW0909	9	131	10	320
AABW1010	10	143	10	320
AABW1111	11	151	10	240

ITEM NO. Satin	SIZE(mm)	L(mm)	10 (SET)	320
AABW1212	12	160	10	120
AABW1313	13	169	10	120
AABW1414	14	180	10	120
AABW1515	15	192	10	80
AABW1616	16	198	10	80
AABW1717	17	206	10	80
AABW1818	18	214	10	80
AABW1919	19	223	10	80
AABW2020	20	236	10	80
AABW2121	21	243	10	80
AABW2222	22	255	5	40
AABW2323	23	266	5	40
AABW2424	24	274	5	40
AABW2525	25	284	5	40
AABW2626	26	294	5	30
AABW2727	27	304	5	30
AABW2828	28	315	5	30
AABW2929	29	327	5	30
AABW3030	30	340	5	30
AABW3232	32	355	5	20

METAL BOX 15° Offset Pro-Line Combination Wrench Set



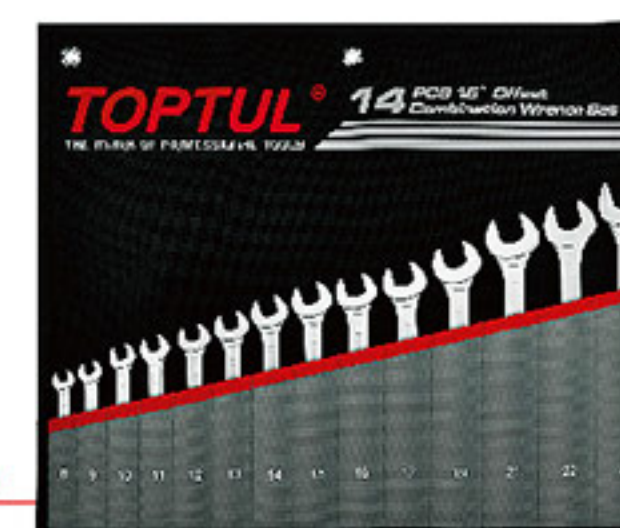
ITEM NO. Satin	CONTENTS	10 (SET)
GAAD1604	16 AABW0606~2424 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 24 METAL CASE: W445 x D188 x H50 (mm)	3 (SET)

16PCS

POUCH BAG - BLACK 15° Offset Pro-Line Combination Wrench Set.



8PCS



14PCS

ITEM NO. Satin	CONTENTS	10 (SET)
GPCW0801	8 AABW0808~2222 8, 10, 12, 13, 14, 17, 19, 22	10 (SET)

ITEM NO. Satin	CONTENTS	10 (SET)
GPCW1401	14 AABW0808~2424 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24	10 (SET)



POUCH BAG - GREEN 15° Offset Pro-Line Combination Wrench Set.



GRAW0801



GRAW1001



GRAW1401



GRAW1601

ITEM NO. Satin	CONTENTS	10 (SET)
GRAW0801	8 AABW0808~2222 8, 10, 12, 13, 14, 17, 19, 22	10
GRAW1001	10 AABW0808~2424 8, 10, 11, 12, 13, 14, 17, 19, 22, 24	10

ITEM NO. Satin	CONTENTS	10 (SET)
GRAW1401	14 AABW0808~2424 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24	10

ITEM NO. Satin	CONTENTS	6 (SET)
GRAW1601	16 AABW0606~2424 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 24	6

Standard Combination Wrench 15° Offset

- Chrome Vanadium Alloy Steel
- High torque performance as over 1.6 times as ANSI & DIN standard
- Professional quality for maximum durability and corrosion resistance



* METRIC

ITEM NO. Satin	SIZE(mm)	L(mm)	15°	15°
AAEB0606	6	109	10	320
AAEB0707	7	119	10	320
AAEB0808	8	129	10	320
AAEB0909	9	139	10	320
AAEB1010	10	149	10	320
AAEB1111	11	159	10	240
AAEB1212	12	169	10	120
AAEB1313	13	179	10	120
AAEB1414	14	189	10	120
AAEB1515	15	199	10	80
AAEB1616	16	209	10	80
AAEB1717	17	219	10	80
AAEB1818	18	229	10	80
AAEB1919	19	239	10	80
AAEB2020	20	249	10	80
AAEB2121	21	259	10	80
AAEB2222	22	269	5	40
AAEB2323	23	279	5	40
AAEB2424	24	289	5	40
AAEB2525	25	299	5	40
AAEB2626	26	309	5	30
AAEB2727	27	319	5	30
AAEB2828	28	329	5	30
AAEB2929	29	339	5	30
AAEB3030	30	349	5	30
AAEB3232	32	369	5	20
AAEB3333	33	409	5	20
AAEB3434	34	409	5	20
AAEB3535	35	409	5	20
AAEB3636	36	439	5	10
AAEB3838	38	439	5	10
AAEB4040	40	479	2	8
AAEB4141	41	479	2	8
AAEB4242	42	479	2	8
AAEB4343	43	479	2	8

Standard Combination Wrench 15° Offset (Jumbo)

- Chrome Vanadium Alloy Steel
- High torque performance as over 1.6 times as ANSI & DIN standard
- Professional quality for maximum durability and corrosion resistance



* METRIC

ITEM NO. Satin	SIZE(mm)	L(mm)	15°	15°
AAEB4545	45	549	2	4
AAEB4646	46	549	2	4
AAEB4848	48	549	2	4
AAEB5050	50	549	2	4
AAEB5555	55	609	2	4
AAEB6060	60	699	1	2
AAEB6565	65	699	1	2
AAEB7070	70	680	1	2
AAEB7575	75	720	1	2
AAEB8080	80	720	1	2

STORAGE RACK 15° Offset Standard Combination Wrench Set

11PCS



Satin Chrome Finished

ITEM NO. Satin	CONTENTS	5 (SET)
GAAC1103	11 AAEB0808~1919 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	

METAL BOX 15° Offset Standard Combination Wrench Set

16PCS



Satin Chrome Finished

ITEM NO. Satin	CONTENTS	3 (SET)
GAAD1602	16 AAEB0606~2424 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 24	

METAL CASE: W445 x D188 x H50 (mm)

STORAGE RACK 15° Offset Standard Combination Wrench Set

- Premium storage rack made of oil-proof, high impact-resistant, extended longevity composite plastic material
- Self-aligning design snaps the wrenches quickly into place
- Easy to store and remove wrenches from the rack



GSAB1002

GSAB1202

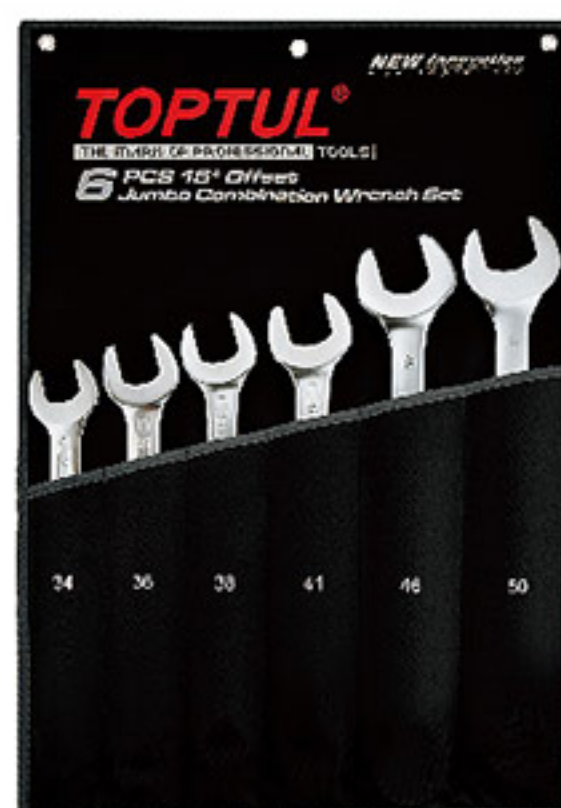
GSAB1402

Satin Chrome Finished

ITEM NO. Satin	CONTENTS	(SET)
GSAB1002	10 AAEB0808~1919 8, 10, 11, 12, 13, 14, 16, 17, 18, 19	6
GSAB1202	12 AAEB0808~1919 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	6
GSAB1402	14 AAEB0707~2424 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 24	6

POUCH BAG - BLACK 15° Offset Metric Jumbo Combination Wrench Set

6PCS



**METRIC
JUMBO SIZE**

ITEM NO. Satin	CONTENTS	2 (SET)
GPAB0601	6 AAEB3434~5050 34, 36, 38, 41, 46, 50	

POUCH BAG - GREEN 15° Offset Standard Combination Wrench Set



GAAA0804



GAAA1213



GAAA1404



GAAA1408

ITEM NO. Satin	CONTENTS	(SET)
GAAA0804	8 AAEB1010~1919 10, 11, 12, 13, 14, 15, 17, 19	20
GAAA1213	12 AAEB0606~2222 6, 7, 8, 10, 11, 12, 13, 14, 15, 17, 19, 22	10
GAAA1404	14 AAEB0808~3232 8, 10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30, 32	4
GAAA1408	14 AAEB0808~2424 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24	10
GAAA1604	16 AAEB0707~3232 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30, 32	4
GAAA2604	26 AAEB0606~3232 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	3

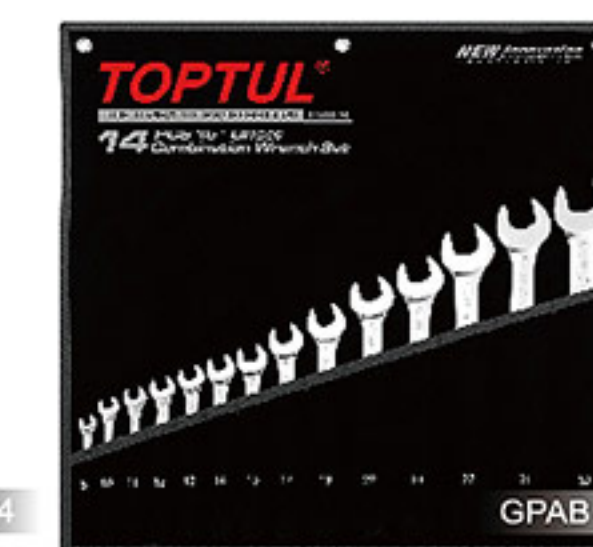
POUCH BAG - BLACK 15° Offset Standard Combination Wrench Set



GPAB0802



GPAB1204



GPAB1402



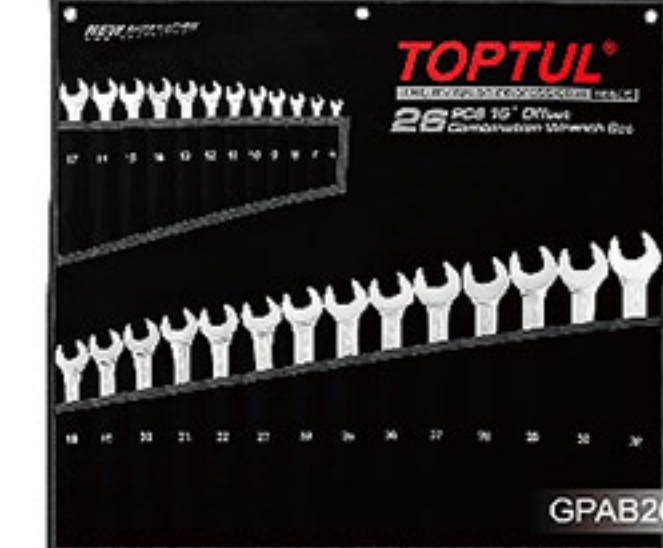
GPAB1404



GPAB1406



GPAB1602



GPAB2602

ITEM NO. Satin	CONTENTS	(SET)
GPAB0802	8 AAEB1010~1919 10, 11, 12, 13, 14, 15, 17, 19	20
GPAB1204	12 AAEB0606~2222 6, 7, 8, 10, 11, 12, 13, 14, 15, 17, 19, 22	10
GPAB1402	14 AAEB0808~3232 8, 10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30, 32	4

Satin Chrome Finished

ITEM NO. Satin	CONTENTS	(SET)
GPAB1404	14 AAEB0808~2424 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24	10
GPAB1406	14 AAEB0606~3232 6, 7, 8, 10, 12, 13, 14, 17, 19, 22, 24, 27, 30, 32	6

Satin Chrome Finished

ITEM NO. Satin	CONTENTS	(SET)
GPAB1602	16 AAEB0707~3232 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30, 32	4
GPAB2602	26 AAEB0606~3232 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	3

Satin Chrome Finished

STANDARD COMBINATION WRENCH 15° OFFSET



Standard Combination Wrench 15° Offset

- Chrome Vanadium Alloy Steel
- High torque performance as over 1.6 times as ANSI & DIN standard
- Professional quality for maximum durability and corrosion resistance



Standard Combination Wrench 15° Offset (Jumbo)

- Chrome Vanadium Alloy Steel
- High torque performance as over 1.6 times as ANSI & DIN standard
- Professional quality for maximum durability and corrosion resistance



ITEM NO. Satin	SIZE(Inch)	L(mm)	15°	15°
ACEB0808	1/4	109	10	320
ACEB1010	5/16	129	10	320
ACEB1111	11/32	139	10	320
ACEB1212	3/8	149	10	320
ACEB1414	7/16	159	10	240
ACEB1616	1/2	179	10	120
ACEB1818	9/16	189	10	120
ACEB2020	5/8	209	10	80
ACEB2222	11/16	219	10	80
ACEB2424	3/4	239	10	80
ACEB2626	13/16	259	10	80
ACEB2828	7/8	269	5	40
ACEB3030	15/16	289	5	40
ACEB3232	1	299	5	40
ACEB3434	1-1/16	319	5	30
ACEB3636	1-1/8	339	5	30
ACEB4040	1-1/4	369	5	20
ACEB4242	1-5/16	409	5	20
ACEB4444	1-3/8	409	5	20
ACEB4646	1-7/16	439	5	10
ACEB4848	1-1/2	439	5	10
ACEB5252	1-5/8	479	2	8
ACEB5454	1-11/16	479	2	8

ITEM NO. Satin	SIZE(Inch)	L(mm)	15°	15°
ACEB5656	1-3/4	549	2	4
ACEB5858	1-13/16	549	2	4
ACEB6060	1-7/8	549	2	4
ACEB6464	2	549	2	4
ACEB6868	2-1/8	609	2	4
ACEB7070	2-3/16	609	2	4
ACEB7272	2-1/4	609	2	4
ACEB7676	2-3/8	699	1	2
ACEB8080	2-1/2	699	1	2

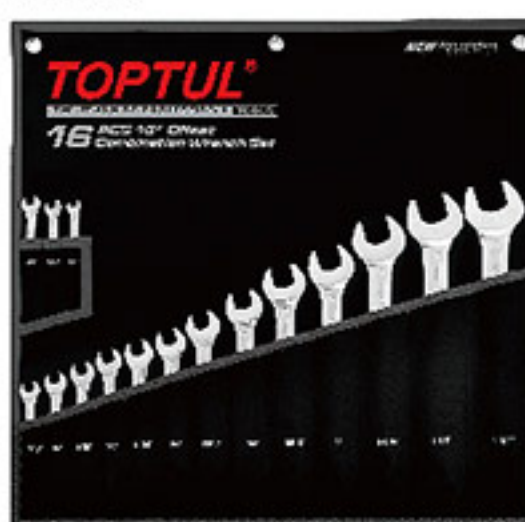


POUCH BAG - GREEN 16PCS 15° Offset Standard Combination Wrench Set



ITEM NO. Satin	CONTENTS	4 (SET)
GBAA1604	16 ACEB0808~4040 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-1/4"	

POUCH BAG - BLACK 16PCS 15° Offset Standard Combination Wrench Set



ITEM NO. Satin	CONTENTS	4 (SET)
GPBB1602	16 ACEB0808~4040 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-1/4"	

STANDARD COMBINATION WRENCH 75° OFFSET

CR-V Steel
Satin Chrome Finish
Industrial DIN Standard

75 Degree Offset Ring End Design

This wrench will overcome the operational restriction compared with the traditional type combination wrench

Robust Construction & Precision Machining
Maximum performance and durability



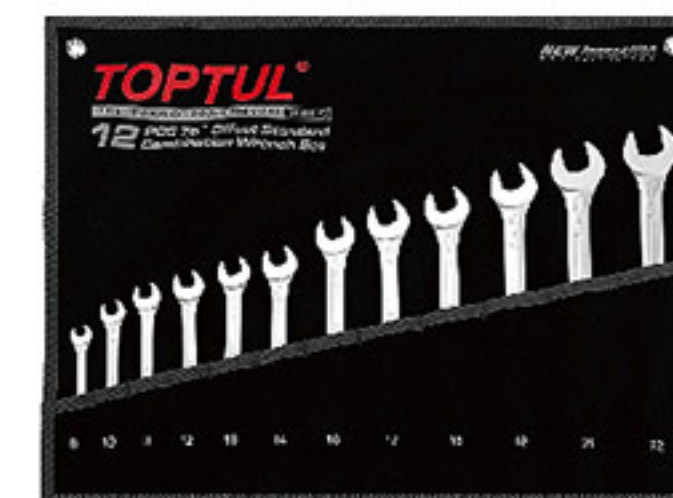
Standard Combination Wrench 75° Offset

- Chrome Vanadium Alloy Steel
- Professional quality for maximum durability and corrosion resistance
- 75 degree offset ring end in design for better access in restricted areas

ITEM NO. Satin	SIZE(mm)	L(mm)	75°	75°
AAEN0606	6	110	10	320
AAEN0707	7	120	10	320
AAEN0808	8	130	10	320
AAEN0909	9	140	10	320
AAEN1010	10	150	10	160
AAEN1111	11	160	10	240
AAEN1212	12	170	10	160
AAEN1313	13	180	10	120
AAEN1414	14	190	10	120
AAEN1515	15	205	10	80
AAEN1616	16	215	10	80
AAEN1717	17	225	10	80
AAEN1818	18	235	10	80

ITEM NO. Satin	SIZE(mm)	L(mm)	75°	75°
AAEN1919	19	255	5	40
AAEN2020	20	255	5	40
AAEN2121	21	285	5	40
AAEN2222	22	285	5	40
AAEN2323	23	315	5	30
AAEN2424	24	315	5	30
AAEN2525	25	345	5	30
AAEN2626	26	345	5	30
AAEN2727	27	365	2	12
AAEN2828	28	365	2	12
AAEN2929	29	395	2	12
AAEN3030	30	395	2	12
AAEN3232	32	415	2	12

POUCH BAG - BLACK 12PCS 75° Offset Standard Combination Wrench Set



ITEM NO. Satin	CONTENTS	6 (SET)
GPAN1201	12 AAEN0808~2222 8, 10, 11, 12, 13, 14, 16, 17, 18, 19, 21, 22	

DOUBLE RING WRENCH 75° OFFSET



Double Ring Wrench 75° Offset

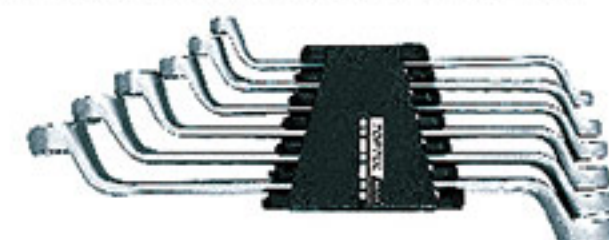
- Chrome Vanadium Alloy Steel
- 75 degree offset ring end in design for greater access in restricted areas
- High torque performance as over 1.6 times as ANSI & DIN standard



ITEM NO.	SIZE(mm)	L(mm)	6	8
AAEI0607	6x7	167	10	120
AAEI0809	8x9	182	10	120
AAEI0810	8x10	182	10	120
AAEI1011	10x11	197	10	80
AAEI1012	10x12	217	10	80
AAEI1013	10x13	217	10	80
AAEI1213	12x13	218	10	80
AAEI1214	12x14	218	10	80
AAEI1317	13x17	245	10	80
AAEI1415	14x15	238	10	80
AAEI1417	14x17	245	10	80
AAEI1617	16x17	258	5	40
AAEI1618	16x18	258	5	40
AAEI1719	17x19	290	5	40
AAEI1819	18x19	290	5	40
AAEI1922	19x22	296	5	40
AAEI2022	20x22	316	5	30
AAEI2123	21x23	316	5	30
AAEI2224	22x24	324	5	30
AAEI2426	24x26	328	5	30
AAEI2427	24x27	328	5	30
AAEI2528	25x28	345	5	30
AAEI2729	27x29	353	2	12
AAEI2730	27x30	353	2	12
AAEI2732	27x32	353	2	12
AAEI3032	30x32	360	2	12
AAEI3236	32x36	402	2	12
AAEI3436	34x36	440	2	12
AAEI3641	36x41	440	2	12
AAEI3842	38x42	440	2	12
AAEI4146	41x46	470	2	8
AAEI4650	46x50	510	2	8

STORAGE RACK 6PCS

75° Offset Double Ring Wrench Set



ITEM NO.	CONTENTS	5 (SET)
GAAC0602	AAEI0607~1617 6x7, 8x9, 10x11, 12x13, 14x15, 16x17	

METAL BOX 8PCS

75° Offset Double Ring Wrench Set



ITEM NO.	CONTENTS	6 (SET)
GAAD0807	AAEI0607~2022 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22	

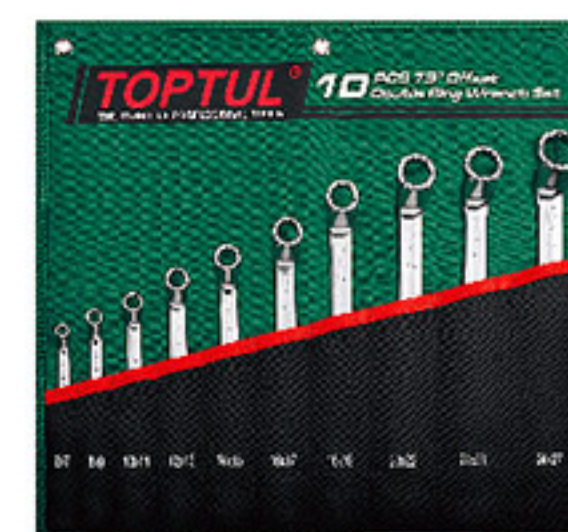
METAL CASE: W370 x D154 x H50 (mm)



DOUBLE RING WRENCH 75° OFFSET

POUCH BAG - GREEN 10PCS

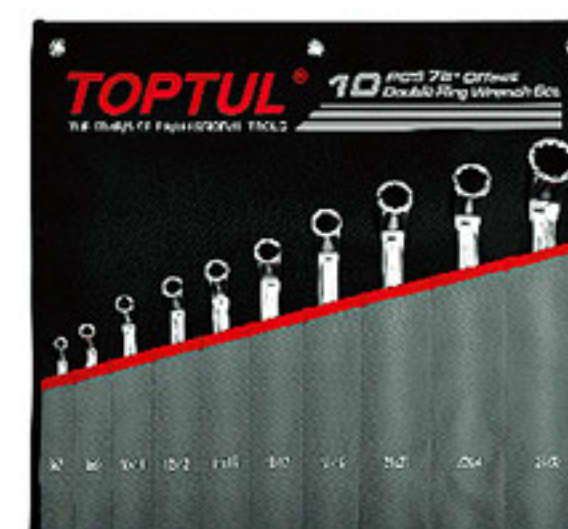
75° Offset Double Ring Wrench Set.



ITEM NO.	CONTENTS	6 (SET)
GRAI1001	AAEI0607~2427 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27	

POUCH BAG - BLACK 10PCS

75° Offset Double Ring Wrench Set.



ITEM NO.	CONTENTS	6 (SET)
GPCI1001	AAEI0607~2732 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 21x23, 22x24, 27x32	

POUCH BAG - GREEN 10PCS

75° Offset Double Ring Wrench Set



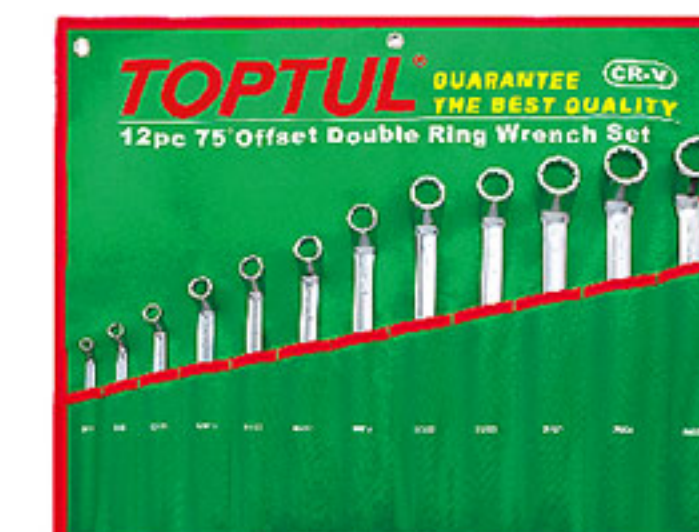
ITEM NO.	CONTENTS	6 (SET)
GAAA0810	AAEI0607~2022 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22	

POUCH BAG - BLACK 10PCS

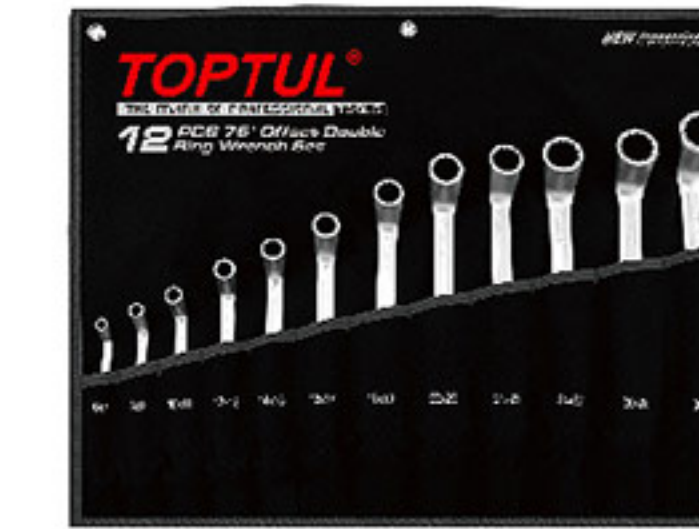
75° Offset Double Ring Wrench Set



ITEM NO.	CONTENTS	6 (SET)
GPAI0802	AAEI0607~2022 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22	



ITEM NO.	CONTENTS	6 (SET)
GAAA1204	AAEI0607~3032 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32	



ITEM NO.	CONTENTS	6 (SET)
GPAI1202	AAEI0607~3032 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32	

DOUBLE RING WRENCH 45° OFFSET



Double Ring Wrench 45° Offset

- Chrome Vanadium Alloy Steel
- 45° offset ring end in design for convenient operation in recess
- Professional quality for maximum durability and corrosion resistance

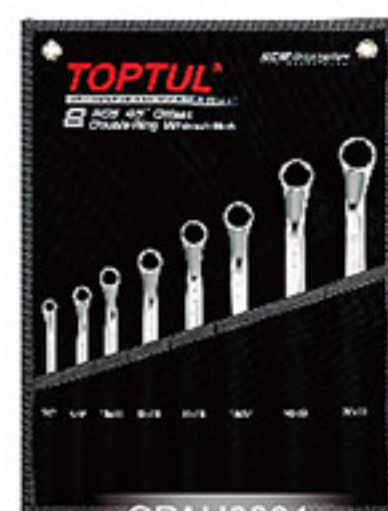


ITEM NO. Satin	SIZE(mm)	L(mm)	Icon	Icon
AAEH0607	6x7	165	10	240
AAEH0708	7x8	165	10	240
AAEH0809	8x9	170	10	240
AAEH0810	8x10	170	10	240
AAEH1011	10x11	180	10	120
AAEH1012	10x12	195	10	120
AAEH1113	11x13	206	10	80
AAEH1213	12x13	206	10	80
AAEH1214	12x14	206	10	80
AAEH1415	14x15	232	10	80
AAEH1417	14x17	237	10	80
AAEH1617	16x17	237	10	80
AAEH1719	17x19	270	10	80
AAEH1819	18x19	270	10	80
AAEH1921	19x21	292	5	30
AAEH1922	19x22	292	5	30
AAEH2022	20x22	292	5	30
AAEH2123	21x23	327	5	30
AAEH2224	22x24	327	5	30
AAEH2326	23x26	362	5	30
AAEH2427	24x27	362	5	30
AAEH2528	25x28	372	5	30
AAEH2730	27x30	380	5	30
AAEH3032	30x32	392	2	12
AAEH3236	32x36	402	2	12
AAEH3641	36x41	440	2	12
AAEH3842	38x42	440	2	12
AAEH4146	41x46	470	2	8
AAEH4650	46x50	510	2	8
AAEH5560	55x60	610	2	4

POUCH BAG - BLACK 45° Offset Double Ring Wrench Set



GPAH0802



GPAH0804



GPAH1202

Double Ring Wrench 45° Offset.

- Chrome Vanadium Alloy Steel
- 45 degree offset ring end in design for greater access in restricted areas
- Professional quality for maximum durability and corrosion resistance



• METRIC



• SAE

ITEM NO. Mirror	SIZE(mm)	L(mm)	Icon	Icon
AAAH0608	6x8	165	10	240
AAAH0809	8x9	170	10	240
AAAH1113	11x13	206	10	80
AAAH1922	19x22	292	5	30
AAAH2022	20x22	292	5	30
AAAH2123	21x23	327	5	30
AAAH2224	22x24	327	5	30
AAAH2326	23x26	362	5	30
AAAH2426	24x26	362	5	30
AAAH2427	24x27	362	5	30
AAAH2430	24x30	372	5	30
AAAH2528	25x28	372	5	30
AAAH2629	26x29	372	5	30
AAAH2729	27x29	380	5	30
AAAH2730	27x30	380	5	30
AAAH2732	27x32	380	5	30
AAAH2932	29x32	392	2	12
AAAH3032	30x32	392	2	12
AAAH3641	36x41	440	2	12
AAAH4146	41x46	470	2	8
AAAH5560	55x60	610	2	4

METAL BOX 8PCS 45° Offset Double Ring Wrench Set



ITEM NO. Satin	CONTENTS	Icon	Icon
GAAD0804	• AAEH0607~2022 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22	6 (SET)	
	METAL CASE: W370 x D154 x H50 (mm)		

POUCH BAG - GREEN 12PCS 45° Offset Double Ring Wrench Set



ITEM NO. Satin	CONTENTS	Icon	Icon
GAAA1202	• AAEH0607~3032 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32	4 (SET)	

ITEM NO. Satin	CONTENTS	Icon	Icon
GPAH0802	• AAEH0607~2224 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 22x24	6	
GPAH0804	• AAEH0607~2022 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22	10	
GPAH1202	• AAEH0607~3032 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32	4	



FLAT TYPE DOUBLE RING WRENCH

HALF-MOON RING WRENCH

STAR WRENCH



Star Wrench

- Chrome Vanadium Alloy Steel
- Useful for removing E-Torx fasteners
- Professional quality for maximum durability and corrosion resistance



ITEM NO. Satin	SIZE	L(mm)	Icon	Icon
AAEE0608	E6xE8	113	10	320
AAEE0711	E7xE11	127	10	320
AAEE1012	E10xE12	142	10	320
AAEE1418	E14xE18	181	10	160
AAEE1622	E16xE22	204	5	40
AAEE2024	E20xE24	224	5	40

Flat Type Double Ring Wrench

- Chrome Vanadium Alloy Steel
- Thin-walled design for work in confined spaces
- Professional quality for maximum durability and corrosion resistance



ITEM NO. Satin	SIZE(mm)	L(mm)	Icon	Icon
AABM0607	6x7	120	15	480
AABM0809	8x9	135	10	320
AABM1011	10x11	150	10	160
AABM1213	12x13	165	10	160
AABM1415	14x15	180	10	160
AABM1617	16x17	210	10	80
AABM1719	17x19	225	10	80
AABM1819	18x19	225	10	80
AABM2022	20x22	240	5	40
AABM2123	21x23	255	5	40
AABM2224	22x24	255	5	40
AABM2426	24x26	270	5	40
AABM2528	25x28	285	5	40
AABM3032	30x32	335	5	40

Flat Type Extra-Long Double Ring Wrench

- Chrome Molybdenum Alloy Steel
- Long shank and thin wall ring end design for reaching bolts easily in deep restricted space
- Professional quality for maximum durability and corrosion resistance



ITEM NO. Satin	SIZE(mm)	L(mm)	Icon	Icon
AAAP0810	8x10	230	15	120
AAAP1012	10x12	300	15	90
AAAP1214	12x14	333	10	60
AAAP1417	14x17	365	10	60
AAAP1719	17x19	400	5	30
AAAP2224	22x24	430	5	30

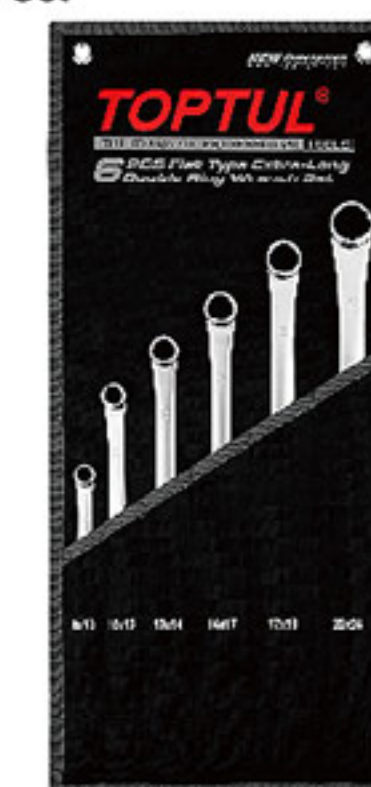
Half-Moon Ring Wrench

- Chrome Vanadium Alloy Steel
- Special purpose tool for hard to reach starter bolts
- Professional quality for maximum durability and corrosion resistance



ITEM NO. Satin	SIZE(mm)	L(mm)	Icon	Icon
AAAC0809	8x9	137	10	160
AAAC1012	10x12	142	10	160
AAAC1113	11x13	166	5	80
AAAC1417	14x17	190	5	80
AAAC1618	16x18	220	5	40
AAAC1922	19x22	256	5	40

POUCH BAG - BLACK 6PCS Flat Type Extra-Long Double Ring Wrench Set



ITEM NO. Satin	CONTENTS	Icon	Icon
GPAH0602	• AAAP0810~2224 8x10, 10x12, 12x14, 14x17, 17x19, 22x24	12 (SET)	

DOUBLE OPEN END WRENCH

Professional quality for maximum durability and corrosion resistance

Double Open End Wrench

- Chrome Vanadium Alloy Steel
- Professional quality for maximum durability and corrosion resistance



ITEM NO.	SIZE(mm)	Satin Chrome Finished	
		L(mm)	Weight(g)
AAEJ0405	4x5	99	10
AAEJ0507	5.5x7	127	10
AAEJ0607	6x7	127	10
AAEJ0608	6x8	127	10
AAEJ0809	8x9	145	10
AAEJ0810	8x10	145	10
AAEJ0911	9x11	161	10
AAEJ1011	10x11	161	10
AAEJ1012	10x12	161	10
AAEJ1013	10x13	174	10
AAEJ1113	11x13	174	10
AAEJ1213	12x13	174	10
AAEJ1214	12x14	174	10
AAEJ1315	13x15	190	10
AAEJ1415	14x15	190	10
AAEJ1317	13x17	194	10
AAEJ1417	14x17	194	10
AAEJ1617	16x17	210	10
AAEJ1618	16x18	210	10
AAEJ1719	17x19	223	10
AAEJ1819	18x19	223	10
AAEJ1921	19x21	236	10
AAEJ1922	19x22	236	10
AAEJ2021	20x21	236	10
AAEJ2022	20x22	236	10
AAEJ2123	21x23	246	10
AAEJ2224	22x24	246	10
AAEJ2426	24x26	267	5
AAEJ2427	24x27	267	5
AAEJ2528	25x28	267	5
AAEJ2628	26x28	267	5
AAEJ2729	27x29	284	5
AAEJ2730	27x30	284	5
AAEJ2732	27x32	294	5
AAEJ3032	30x32	294	5
AAEJ3235	32x35	325	2
AAEJ3236	32x36	325	2
AAEJ3335	33x35	325	2
AAEJ3436	34x36	325	2
AAEJ3538	35x38	377	2
AAEJ3641	36x41	377	2
AAEJ3842	38x42	377	2
AAEJ4146	41x46	426	2
AAEJ4650	46x50	477	2
AAEJ5055	50x55	504	2
AAEJ5560	55x60	504	2

STORAGE RACK

Double Open End Wrench Set



ITEM NO.	CONTENTS	Weight(g)
GAAC0802	AAEJ0607~2022 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22	5 (SET)

METAL BOX

Double Open End Wrench Set

10PCS

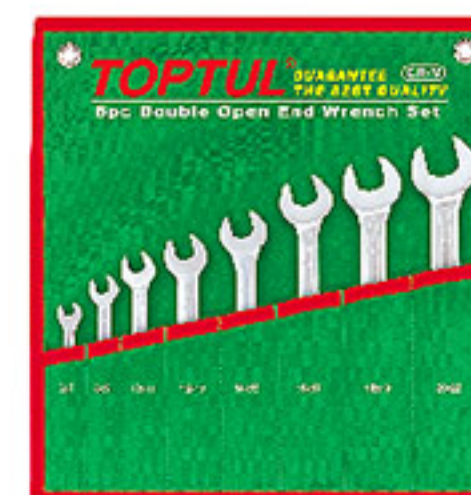


ITEM NO.	CONTENTS	Weight(g)
GAAD1009	AAEJ0607~2427 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27	6 (SET)

POUCH BAG - GREEN

Double Open End Wrench Set

8PCS



ITEM NO.	CONTENTS	Weight(g)
GAAA0812	AAEJ0607~2022 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22	20 (SET)

POUCH BAG - GREEN

Double Open End Wrench Set

12PCS



ITEM NO.	CONTENTS	Weight(g)
GAAA1206	AAEJ0607~3032 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32	6 (SET)

POUCH BAG - BLACK

Double Open End Wrench Set

10PCS

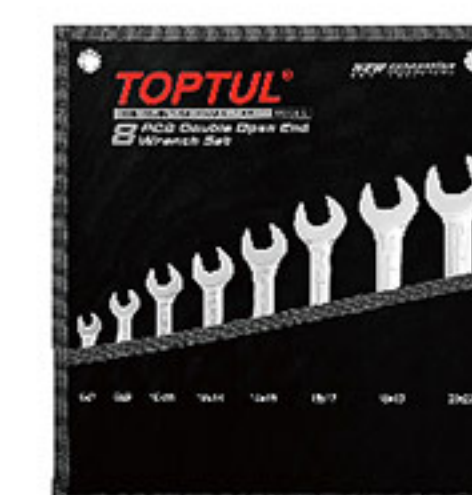


ITEM NO.	CONTENTS	Weight(g)
GPCJ1001	AAEJ0607~3032 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 24x27, 30x32	10 (SET)

POUCH BAG - BLACK

Double Open End Wrench Set

8PCS

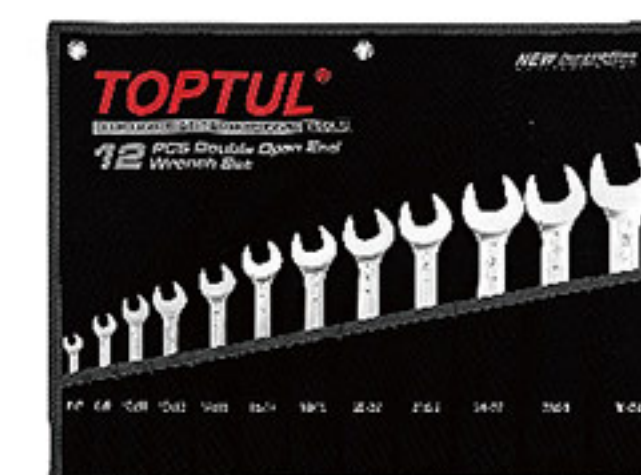


ITEM NO.	CONTENTS	Weight(g)
GPAJ0802	AAEJ0607~2022 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22	20 (SET)

POUCH BAG - BLACK

Double Open End Wrench Set

12PCS



ITEM NO.	CONTENTS	Weight(g)
GPAJ1202	AAEJ0607~3032 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32	6 (SET)

Double Open End Slimline Wrench

- Chrome Vanadium Alloy Steel
- Ideal for tightening/loosening double nuts
- Easy access in confined space
- Lightweight model
- Professional quality for maximum durability and corrosion resistance



ITEM NO.	SIZE(mm)	Satin Chrome Finished	
		L(mm)	Weight(g)
AEJA0607	6x7	148	15
AEJA0809	8x9	175	15
AEJA1011	10x11	175	15
AEJA1213	12x13	210	15
AEJA1415	14x15	210	15
AEJA1617	16x17	250	15
AEJA1819	18x19	250	15
AEJA2224	22x24	292	10

POUCH BAG - GREEN

Double Open End Slimline Wrench Set

8PCS

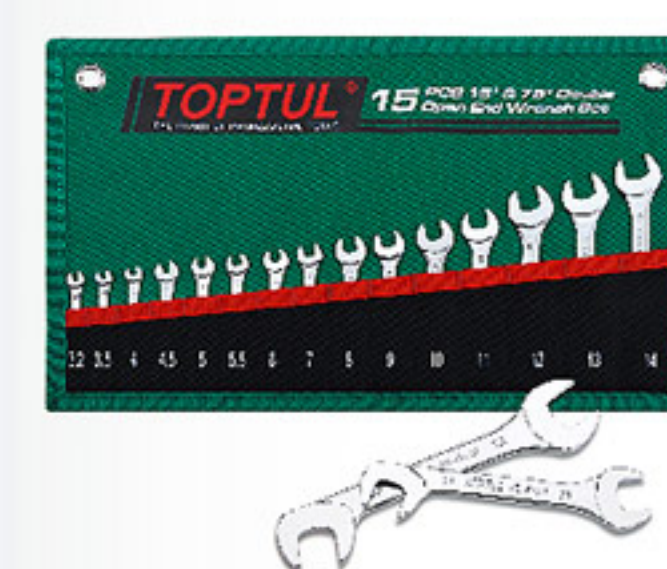


ITEM NO.	CONTENTS	Weight(g)
GRAJ0801	AEJA0607~2224 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 22x24	10 (SET)

POUCH BAG - GREEN

15° & 75° Double Open End Wrench Set

15PCS



ITEM NO.	CONTENTS	Weight(g)
GRAJ1501	AEJB3B3B~1414 3.2, 3.5, 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	20 (SET)

6PT / 12PT FLARE NUT WRENCH

Specially designed for use with nuts fitted in hydraulic, oil and compressed air systems

6PT - Flare Nut Wrench

- Chrome Vanadium Alloy Steel
- Thick head feature ensures a strong grip on the nut and avoids damages
- Useful for tightening and loosening flare nuts at line connections
- Specially designed for use with nuts fitted in hydraulic, oil and compressed air systems



• METRIC

ITEM NO. Satin	SIZE(mm)	L(mm)	10	15	240
AEAA0809	8x9	130	15	240	
AEAA0810	8x10	130	15	240	
AEAA1011	10x11	150	10	160	
AEAA1012	10x12	150	10	160	
AEAA1113	11x13	170	10	120	
AEAA1213	12x13	170	10	120	
AEAA1214	12x14	170	10	120	

12PT - Flare Nut Wrench

- Chrome Vanadium Alloy Steel
- Thick head feature ensures a strong grip on the nut and avoids damages
- Useful for tightening and loosening flare nuts at line connections
- Specially designed for use with nuts fitted in hydraulic, oil and compressed air systems

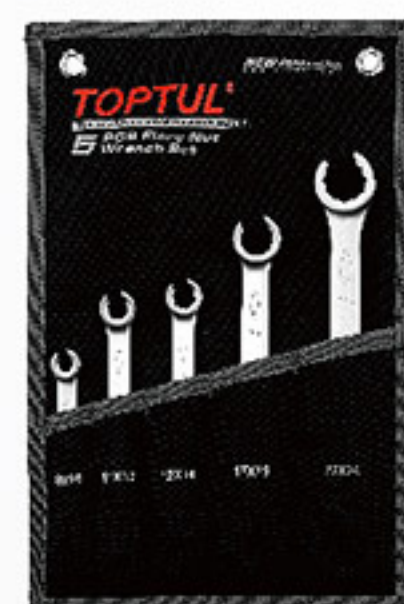


• METRIC

ITEM NO. Satin	SIZE(mm)	L(mm)	5	60	40
AEAA1417	14x17	190	5	60	
AEAA1618	16x18	195	5	40	
AEAA1719	17x19	210	5	40	
AEAA1922	19x22	230	5	40	
AEAA2224	22x24	252	5	40	
AEAA2427	24x27	265	5	40	
AEAA3032	30x32	285	5	30	
AEAA3641	36x41	351	2	16	

POUCH BAG - BLACK Flare Nut Wrench Set

5PCS



Satin Chrome Finished

ITEM NO. Satin	CONTENTS	10 (SET)
GPAQ0502	5 AEAA0810-2224 8x10, 11x13, 12x14, 17x19, 22x24	

6PT - Flare Nut Wrench.

- Chrome Vanadium Alloy Steel
- Thick head feature ensures a strong grip on the nut and avoids damages
- Useful for tightening and loosening flare nuts at line connections
- Specially designed for use with nuts fitted in hydraulic, oil and compressed air systems



• SAE

ITEM NO. Satin	SIZE(inch)	L(mm)	10	15	240
AFEA1012	5/16x3/8	130	15	240	
AFEA1214	3/8x7/16	150	10	160	
AFEA1416	7/16x1/2	170	10	120	
AFEA1618	1/2x9/16	170	10	120	

12PT - Flare Nut Wrench.

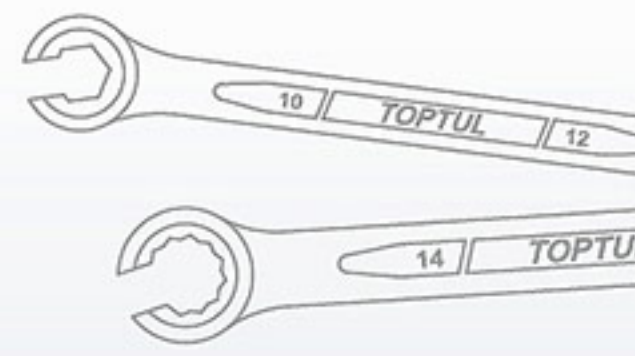
- Chrome Vanadium Alloy Steel
- Thick head feature ensures a strong grip on the nut and avoids damages
- Useful for tightening and loosening flare nuts at line connections
- Specially designed for use with nuts fitted in hydraulic, oil and compressed air systems



• SAE

ITEM NO. Satin	SIZE(inch)	L(mm)	5	60	40
AFEA1820	9/16x5/8	190	5	60	
AFEA2022	5/8x11/16	195	5	60	
AFEA2224	5/8x3/4	210	5	40	
AFEA2428	11/16x3/4	210	5	40	
AFEA2428	3/4x7/8	230	5	40	

Your best
working partners



Midget Combination Wrench 15° Offset

- Chrome Vanadium Alloy Steel
- Short shank in design for convenient operation in confined area
- Professional quality for maximum durability and corrosion resistance



• METRIC

ITEM NO. Satin	SIZE(mm)	L(mm)	10	320
AAAF0707	7	86	10	320
AAAF0808	8	86	10	320
AAAF0909	9	95	10	320
AAAF1010	10	95	10	320
AAAF1111	11	99	10	320
AAAF1212	12	103	10	320
AAAF1313	13	107	10	320
AAAF1414	14	113	10	160
AAAF1515	15	117	10	160
AAAF1616	16	121	10	160
AAAF1717	17	127	10	120
AAAF1818	18	131	10	120
AAAF1919	19	137	10	120

POUCH BAG - GREEN 15° Offset Midget Combination Wrench Set

10PCS



Satin Chrome Finished

ITEM NO. Satin	CONTENTS	20 (SET)
GAAA1002	10 AAAF1010-1919 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	

Midget Combination Wrench 15° Offset.

- Chrome Vanadium Alloy Steel
- Short shank in design for convenient operation in confined area
- Professional quality for maximum durability and corrosion resistance



• SAE

ITEM NO. Satin	SIZE(inch)	L(mm)	10	320
ACAF1010	5/16	86	10	320
ACAF1212	3/8	95	10	320
ACAF1414	7/16	99	10	320
ACAF1616	1/2	107	10	320
ACAF1818	9/16	113	10	160
ACAF2222	11/16	127	10	120
ACAF2424	3/4	137	10	120

Miniature Combination Wrench Set

10PCS



Mirror Polished

ITEM NO. Mirror	CONTENTS	10 (SET)
GBBA1001	10 AFAM0505-1414 5/32", 3/16" 7/32", 15/64", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16"	

Midget Double Ring Wrench 45° Offset

- Chrome Vanadium Alloy Steel
- Short shank allows convenient operation in confined area
- Professional quality for maximum durability and corrosion resistance



ITEM NO. Satin	SIZE(mm)	L(mm)	10	160
AAAK0809	8x9	115	10	160
AAAK1011	10x11	115	10	160
AAAK1213	12x13	140	10	160
AAAK1415	14x15	140	10	160
AAAK1617	16x17	150	10	120
AAAK1819	18x19	157	10	120

Midget Dynamic Combination Wrench 15° Offset.

- Chrome Vanadium Alloy Steel
- Short shank allows convenient operation in confined area
- Patent dynamic open end in design for operating within 30° restricted space



ITEM NO. Mirror	SIZE(mm)	L(mm)	10	320
AAAG0707	7	86	10	320
AAAG0808	8	86	10	320
AAAG0909	9	95	10	320
AAAG1010	10	95	10	320
AAAG1414	14	113	10	160
AAAG1515	15	117	10	160
AAAG1616	16	121	10	160
AAAG1818	18	131	10	120
AAAG1919	19	137	10	120

PRO-SERIES REVERSIBLE RATCHET COMBINATION WRENCH

Pro-Series Reversible Ratchet Combination Wrench

- Chrome Vanadium Alloy Steel
- Two-way reversible gear design for quick and easy fastening and loosening works
- 72 teeth ratchet mechanism, 5° increments
- High torque & durable ratcheting performance
- Satin chrome plated finish
- In accordance to ASME B107.100



• SAE

ITEM NO.	Satin	SAE / Satin Chrome Finished			
		SIZE(Inch)	L(mm)		
ADAF0808		1/4	128	10	320
ADAF1010		5/16	140	10	320
ADAF1212		3/8	158	10	160
ADAF1414		7/16	165	10	120
ADAF1616		1/2	178	10	120
ADAF1818		9/16	190	10	120
ADAF2020		5/8	208	10	80
ADAF2222		11/16	225	10	80
ADAF2424		3/4	247	10	80

METAL BOX 8PCS

Pro-Series Reversible Ratchet Combination Wrench Set (SAE)



ITEM NO.	Satin	CONTENTS		6 (SET)
		ADAF1010~2424	5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"	
GBAD0803		METAL CASE: W370 x D154 x H50 (mm)		



Pro-Series Reversible Ratchet Combination Wrench

- Chrome Vanadium Alloy Steel
- Two-way reversible gear design for quick and easy fastening and loosening works
- 72 teeth ratchet mechanism, 5° increments
- High torque & durable ratcheting performance
- Satin chrome plated finish
- In accordance to DIN ISO 691, DIN ISO 1711-1, ASME B107.100



• METRIC

ITEM NO.	Satin	METRIC / Satin Chrome Finished			
		SIZE(mm)	L(mm)		
ABAF0606		6	128	10	320
ABAF0808		8	140	10	320
ABAF0909		9	149	10	320
ABAF1010		10	158	10	160
ABAF1111		11	165	10	120
ABAF1212		12	171	10	120
ABAF1313		13	178	10	120
ABAF1414		14	190	10	120
ABAF1515		15	199	10	80
ABAF1616		16	208	10	80
ABAF1717		17	225	10	80
ABAF1818		18	236	10	80
ABAF1919		19	247	10	80
ABAF2222		22	288	5	40
ABAF2424		24	321	5	40
ABAF2727		27	357	5	20
ABAF3030		30	400	2	16
ABAF3232		32	423	2	12

STORAGE RACK

Pro-Series Reversible Ratchet Combination Wrench Set

- Premium storage rack made of oil-proof, high impact-resistant, extended longevity composite plastic material
- Self-aligning design snaps the wrenches quickly into place
- Easy to store and remove wrenches from the rack



GSAQ1002



GSAQ1202

POUCH BAG - BLACK 12PCS

Pro-Series Reversible Ratchet Combination Wrench Set



ITEM NO.	Satin	CONTENTS		10 (SET)
		ABAF0808~1919	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	
GPAQ1203				

METAL BOX 12PCS

Pro-Series Reversible Ratchet Combination Wrench Set



ITEM NO.	Satin	CONTENTS		6 (SET)
		ABAF0808~1919	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	
GAAD1205		METAL CASE: W370 x D154 x H50 (mm)		

STORAGE RACK 7PCS

Pro-Series Reversible Ratchet Combination Wrench Set



Satin Chrome Finished

ITEM NO.	Satin	CONTENTS		2 (SET)
		ABAF0808~1919	8, 10, 12, 13, 14, 17, 19	
GAAM0709				

ITEM NO.	Satin	CONTENTS		6 (SET)
		ABAF0808~1919	8, 10, 11, 12, 13, 14, 16, 17, 18, 19	
GSAQ1002				
ITEM NO.	Satin	CONTENTS		6 (SET)
		ABAF0808~1919	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	
GSAQ1202				

METAL BOX 15PCS

Pro-Series Reversible Ratchet Combination Wrench Set



Satin Chrome Finished

ITEM NO.	Satin	CONTENTS		4 (SET)
		ABAF0808~1919	72 Teeth Pro-Series Reversible Ratchet Combination Wrenches	
GBA1541	(Black)			
ITEM NO.	Satin	CONTENTS		6 (SET)
		ABAF0808~1919	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm	
CANA0810~1619		Socket Adapter with Quick Release (For Ratchet Wrench)		
		1/4" x 10mm, 3/8" x 13mm, 1/2" x 19mm		
		METAL CASE: W361 x D137 x H53 (mm)		

PRO-SERIES RATCHET COMBINATION WRENCH

Pro-Series Ratchet Combination Wrench

- Chrome Vanadium Alloy Steel
- 72 teeth ratchet mechanism, 5° increments
- High torque & durable ratcheting performance
- Satin chrome plated finish
- In accordance to DIN ISO 691, DIN ISO 1711-1, ASME B107.100



ITEM NO.	Satin	SIZE(mm)	L(mm)	Satin Chrome Finished	
				10	320
AOAF0808		8	140	10	320
AOAF0909		9	149	10	160
AOAF1010		10	158	10	160
AOAF1111		11	165	10	120
AOAF1212		12	171	10	120
AOAF1313		13	178	10	120
AOAF1414		14	190	10	120
AOAF1515		15	200	10	80
AOAF1616		16	208	10	80
AOAF1717		17	225	10	80
AOAF1818		18	236	10	80
AOAF1919		19	247	10	80
AOAF2222		22	289	5	40
AOAF2424		24	322	5	40

METAL BOX

Pro-Series Ratchet Combination Wrench Set

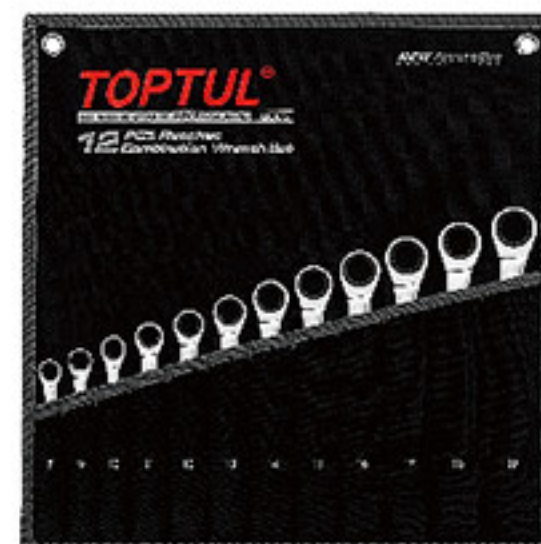


ITEM NO.	Satin	CONTENTS	6 (SET)
GAAD0810		• AOAF0808~1919 8, 10, 11, 12, 13, 14, 17, 19	

METAL CASE: W370 x D154 x H50 (mm)

POUCH BAG - BLACK 12PCS

Pro-Series Ratchet Combination Wrench Set



ITEM NO.	Satin	CONTENTS	10 (SET)
GPAQ1202		• AOAF0808~1919 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	

10PCS Pro-Series Ratchet Combination Wrench Set



ITEM NO.	Satin	CONTENTS	10 (SET)
GAAI1004		• AOAF0808~1919 Pro-Series Ratchet Combination Wrenches 8, 10, 12, 13, 17, 19 mm • CANA0810~1619 Socket Adapter with Quick Release (For Ratchet Wrench) 1/4" x 10mm, 3/8" x 13mm, 1/2" x 19mm • FTAB0810 Quick Change Bit Holder 1/4" x 10mm	

BLOW CASE: W260 x D170 x H60 (mm)

STORAGE RACK

Pro-Series Ratchet Combination Wrench Set

- Premium storage rack made of oil-proof, high impact-resistant, extended longevity composite plastic material
- Self-aligning design snaps the wrenches quickly into place
- Easy to store and remove wrenches from the rack



ITEM NO.	Satin	CONTENTS	6 (SET)
GSCQ1002		• AOAF0808~1919 8, 10, 11, 12, 13, 14, 16, 17, 18, 19	
GSCQ1202		• AOAF0808~1919 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	

PRO-SERIES FLEXIBLE RATCHET COMBINATION WRENCH



The pivoting flexible ratchet ring head allows for 180 degree operation in confined spaces



Pro-Series Flexible Ratchet Combination Wrench

- Chrome Vanadium Alloy Steel
- 72 teeth ratchet mechanism (5° increments)
- High torque & durable ratcheting performance
- The pivoting flexible ratchet ring head allows for 180 degree operation in confined spaces
- Compact ring head enables to work in tight spaces where a ratchet and socket would not fit
- In accordance to DIN ISO 691, DIN ISO 1711-1, ASME B107.100



ITEM NO.	Satin	SIZE(mm)	L(mm)	10	320
AOAH0808		8	140	10	320
AOAH0909		9	150	10	320
AOAH1010		10	159	10	160
AOAH1111		11	165	10	120
AOAH1212		12	172	10	120
AOAH1313		13	178	10	120
AOAH1414		14	191	10	120
AOAH1515		15	200	10	80
AOAH1616		16	207	10	80
AOAH1717		17	226	10	80
AOAH1818		18	237	10	80
AOAH1919		19	248	10	80

10PCS Pro-Series Flexible Ratchet Combination Wrench Set



ITEM NO.	Satin	CONTENTS	10 (SET)
GAAI1003		• AOAH0808~1919 Pro-Series Flexible Ratchet Combination Wrenches 8, 10, 12, 13, 17, 19 mm • CANA0810~1619 Socket Adapter with Quick Release (For Ratchet Wrench) 1/4" x 10mm, 3/8" x 13mm, 1/2" x 19mm • FTAB0810 Quick Change Bit Holder 1/4" x 10mm	

BLOW CASE: W260 x D170 x H60 (mm)

POUCH BAG - BLACK 12PCS

Pro-Series Flexible Ratchet Combination Wrench Set



ITEM NO.	Satin	CONTENTS	10 (SET)
GPAQ1204		• AOAH0808~1919 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	

Socket Adapter with Quick Release (For Ratchet Wrench)



ITEM NO.	Mirror	DRIVE	L(mm)	10	180
CANA0810		1/4" x 10mm	16.7	10	180
CANA1213		3/8" x 13mm	21.7	10	180
CANA1619		1/2" x 19mm	28.8	10	180

Quick Change Bit Holder (For Ratchet Wrench)



ITEM NO.	Mirror	DRIVE	L(mm)	50	800
FTAB0810		1/4" x 10mm	15.7	50	800

Pro-Series 4-In-1 Ratchet Double Ring Wrench

- Chrome Vanadium Alloy Steel
- Innovative and highly versatile wrenches provides four different sizes in one wrench
- Two-way reversible gear design for quick and easy fastening and loosening works
- 72 teeth ratchet mechanism, 5° increments
- High torque and durable ratcheting performance
- In accordance to DIN ISO 691, DIN ISO 1711-1, ASME B107.100



ITEM NO.	Satin	SIZE(mm)	L(mm)	Satin Chrome Finished	
				10	160
ABAD0811	8x11 - 10x9	150	10	10	160
ABAD1215	12x15 - 14x13	190	5	80	
ABAD1619	16x19 - 17x18	230	5	40	

Ratchet Double E-Star Ring Wrench

- Chrome Vanadium Alloy Steel
- Useful for removing external E-star fasteners quickly
- 72 teeth ratcheting mechanism for optimum fastening efficiency



ITEM NO.	Satin	SIZE	L(mm)	Satin Chrome Finished	
				10	160
AOAC0608	E6xE8	130	10	160	
AOAC1012	E10xE12	144	10	160	
AOAC1418	E14xE18	181	10	80	
AOAC2024	E20xE24	224	10	80	

Open-End Ratcheting Wrench

- Chrome Molybdenum Alloy Steel
- Special purpose tool for hard to reach starter bolts
- Professional quality for maximum durability and corrosion resistance



ITEM NO.	Satin	SIZE(mm)	L(mm)	Satin Finished	
				10	160
AEAT1010	10	156	10	160	
AEAT1111	11	156	10	160	
AEAT1313	13	156	10	160	
AEAT1717	17	210	10	80	
AEAT1919	19	212	10	80	
AEAT2222	22	220	10	80	

Pro-Series Ratchet Double Ring Wrench

- Chrome Vanadium Alloy Steel
- Robust 72 teeth ratcheting gear for high torque performance and efficient works
- 12-point ratchet ring head feature a flat non-offset configuration to work in tight spaces where ratchet handles and sockets cannot fit
- Ideal for professional use
- In accordance to DIN ISO 691, DIN ISO 1711-1, ASME B107.100



ITEM NO.	Satin	SIZE(mm)	L(mm)	Satin Chrome Finished	
				10	320
AOAG0810	8x10	128	10	320	
AOAG1011	10x11	150	10	160	
AOAG1213	12x13	170	10	160	
AOAG1415	14x15	190	10	120	
AOAG1618	16x18	210	10	80	
AOAG1719	17x19	230	10	80	

Double Socket Ratchet Wrench

- Chrome Vanadium Alloy Steel
- Two sockets sizes in one wrench
- 12-point drive ensures tight fit on bolts
- Tapered handle design can be used to align holes before inserting bolts for steel erection work and etc.



ITEM NO.	Satin	SIZE(mm)	L(mm)	32 Gears / Satin Finished	
				2	50
AEAH1013	10x13	240	2	50	
AEAH1214	12x14	240	2	50	
AEAH1317	13x17	280	2	50	
AEAH1417	14x17	280	2	50	
AEAH1719	17x19	315	2	50	
AEAH1721	17x21	315	2	50	
AEAH1921	19x21	315	2	50	
AEAH1922	19x22	315	2	50	
AEAH1924	19x24	360	2	30	
AEAH2123	21x23	360	2	30	

POUCH BAG - BLACK 3PCS Pro-Series 4-In-1 Ratchet Double Ring Wrench Set



ITEM NO.	Satin	CONTENTS	Satin Chrome Finished	
			20	(SET)
GPAQ0301		ABAD0811~1619 8x11 - 10x9, 12x15 - 14x13, 16x19 - 17x18		

Stubby Ratchet Combination Wrench

- Chrome Vanadium Alloy Steel
- 72 teeth Ratchet Mechanism



ITEM NO.	Satin	SIZE(mm)	L(mm)	Satin Chrome Finished	
				10	320
AOAB0808	8	93	10	320	
AOAB0909	9	94	10	320	
AOAB1010	10	94	10	320	
AOAB1111	11	104	10	320	
AOAB1212	12	104	10	320	
AOAB1313	13	105	10	320	
AOAB1414	14	114	10	160	
AOAB1515	15	120	10	160	
AOAB1616	16	120	10	160	
AOAB1717	17	124	10	120	
AOAB1818	18	138	10	120	
AOAB1919	19	138	10	120	

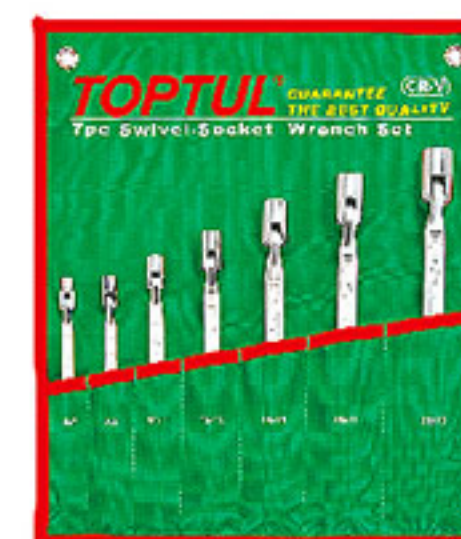
Double End Swivel-Socket Wrench

- Chrome Vanadium Alloy Steel
- Both socket ends allows 180° swivelling for better accessibility
- Thin walled designed socket with 12-point drive ensures a perfect fit on fasteners



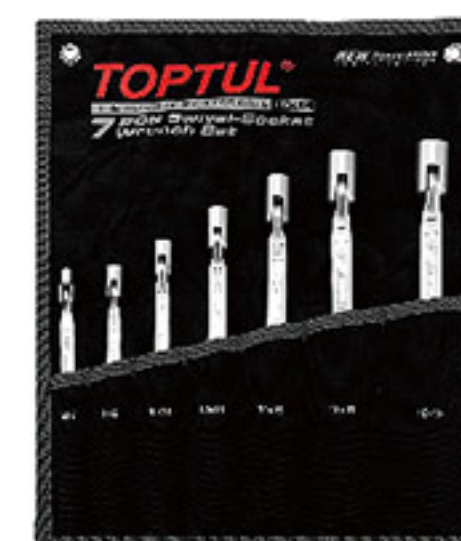
ITEM NO.	Satin	SIZE(mm)	L(mm)	Satin Chrome Finished	
				10	160
AEEC0607	6x7	185	10	160	
AEEC0809	8x9	185	10	160	
AEEC0810	8x10	185	10	160	
AEEC1011	10x11	200	10	80	
AEEC1012	10x12	205	10	80	
AEEC1213	12x13	220	10	80	
AEEC1214	12x14	225	10	80	
AEEC1415	14x15	242	10	80	
AEEC1417	14x17	244	10	80	
AEEC1617	16x17	258	5	40	
AEEC1719	17x19	260	5	40	
AEEC1819	18x19	270	5	40	
AEEC2022	20x22	305	5	30	

POUCH BAG - GREEN 7PCS Double End Swivel-Socket Wrench Set



ITEM NO.	Satin	CONTENTS	Satin Chrome Finished	
			10	(SET)
GAAA0704		AEEC0607~1819 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19		

POUCH BAG - BLACK 7PCS Double End Swivel-Socket Wrench Set



ITEM NO.	Satin	CONTENTS	Satin Chrome Finished	
			10	(SET)
GPAQ0701		AEEC0607~1819 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19		

METAL BOX 7PCS Double End Swivel-Socket Wrench Set



ITEM NO.	Satin	CONTENTS	Satin Chrome Finished	
			6	(SET)
GAAD0703		AEEC0607~1819 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19		

Swivel-Socket Combination Wrench

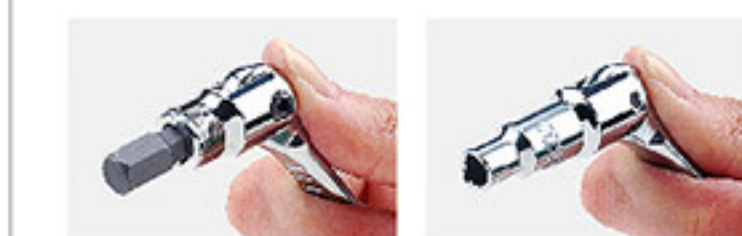
- Chrome Vanadium Alloy Steel
- Socket end allows 180° swivelling for better accessibility



ITEM NO.	Satin	SIZE(mm)	L(mm)	Satin Chrome Finished	
				10	240
AEEB0808	8	170	20	240	
AEEB0909	9	170	20	240	
AEEB1010	10	180	15	180	
AEEB1111	11	190	10	120	
AEEB1212	12	195	10	120	
AEEB1313	13	210	10	80	
AEEB1414	14	223	10	80	
AEEB1515	15	223	10	80	
AEEB1616	16	235	5	40	
AEEB1717	17	235	5	40	
AEEB1818	18	255	5	40	
AEEB1919	19	255	5	40	

1/4" Square Drive & Bit Holder Swivel Wrench

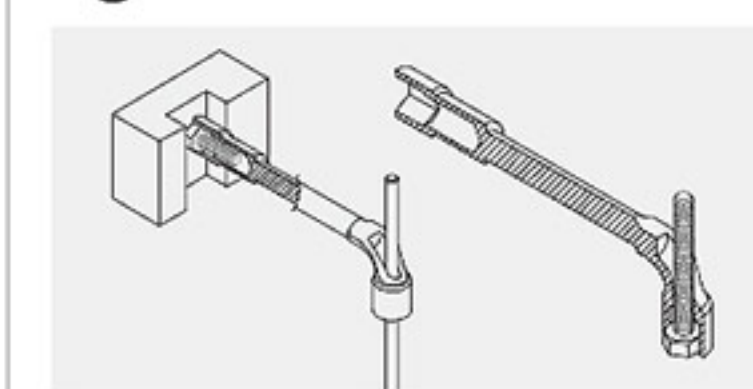
- Chrome Vanadium Alloy Steel
- Dual drive socket wrench with 1/4" square drive for sockets and quick connector bit holder for bits
- Unique designed multifunctional tool for maximum versatility



ITEM NO.	Dual	SIZE	L(mm)	Dual Finished	
				10	80
AREA0808		1/4" Dr. x 1/4"	185	10	80

Angled Socket Wrench

- Chrome Vanadium Alloy Steel
- Unique designed open hole on the angle socket end allows access to nuts fitted onto protruding threads



ITEM NO.	Satin	SIZE(mm)	L(mm)	Satin Chrome Finished	
				10	320
AEAE0606	6	100	10	320	
AEAE0707	7	100	10	320	
AEAE0808	8	120	10	160	
AEAE0909	9	122	10	160	
AEAE1010	10	135	10	160	
AEAE1111	11	135	10	160	
AEAE1212	12	145	5	60	
AEAE1313	13	149	5	60	
AEAE1414	14	160	5	60	
AEAE1515	15	165	5	60	
AEAE1616	16	185	5	40	
AEAE1717	17	185	5	40	
AEAE1818	18	200	5	40	
AEAE1919	19	200	2	16	
AEAE2020	20	210	2	16	
AEAE2121	21	210	2	16	
AEAE2222	22	230	2	16	
AEAE2323	23	228	2	12	
AEAE2424	24	230	2	12	
AEAE2525	25	232	2	12	
AEAE2626	26	268	2	12	
AEAE2727	27	268	2	12	
AEAE2828	28	270	2	12	
AEAE2929	29	285	2	12	
AEAE3030	30	299	2	12	
AEAE3232	32	310	2	12	

POUCH BAG - BLACK 9PCS Angled Socket Wrench Set



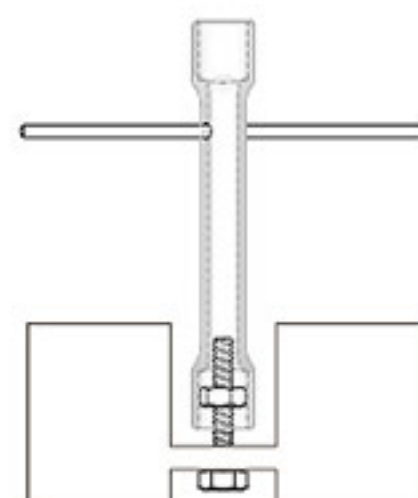
ITEM NO.	Satin	CONTENTS	Satin Chrome Finished	
			6	(SET)
GPAQ0901		AEAE0808~1919 8, 10, 11, 12, 13, 14, 16, 17, 19		

Double End Socket Wrench

- Chrome Vanadium Alloy Steel
- Specially designed tool with through hole throughout full length for use on stud nuts
- To apply torque, use a suitable tommy bar (TOPTUL Part No. ALEB series) which goes through the side holes



12PT



• Hollow shaft allows studs to go through

ITEM NO.	SIZE(mm)	L(mm)	Weight	Box
AEBE0607	6x7	105	10	320
AEBE0809	8x9	110	10	160
AEBE1011	10x11	120	10	160
AEBE1213	12x13	140	10	160
AEBE1415	14x15	145	10	160
AEBE1617	16x17	155	8	128
AEBE1819	18x19	165	4	64
AEBE2022	20x22	170	4	64
AEBE2123	21x23	185	4	64
AEBE2426	24x26	190	2	16
AEBE2528	25x28	205	2	16
AEBE2729	27x29	210	2	16
AEBE3032	30x32	212	2	16

Tommy Bars

- Chrome Vanadium Alloy Steel
- To be used with double end socket wrench (TOPTUL Part No. ALEB series)



ITEM NO.	CAPACITY (mm)	L(mm)	Weight	Box
ALEB0611	6x7 - 10x11	100	30	540
ALEB1223	12x13 - 21x23	170	25	300
ALEB2432	24x26 - 30x32	290	15	90

METAL BOX 10PCS

Double End Socket Wrench Set



ITEM NO.	CONTENTS	Weight
GAAD1010	• AEBE0607~2022 Double End Socket Wrenches 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22 mm • ALEB0611 & 1223 Tommy Bars L = 100 & 170 mm	6 (SET)

METAL CASE: W370 x D154 x H50 (mm)

METAL BOX 15PCS

Double End Socket Wrench Set

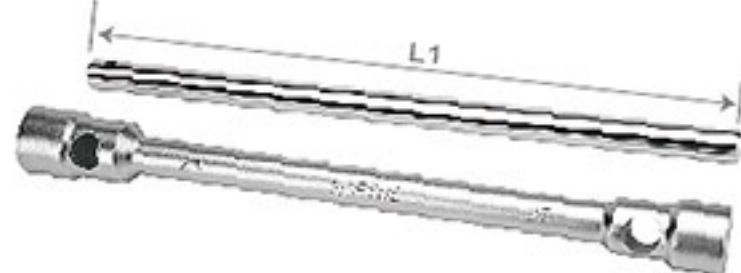


ITEM NO.	CONTENTS	Weight
GAAD1510	• AEBE0607~3032 Double End Socket Wrenches 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x26, 25x28, 30x32 mm • ALEB0611~2432 Tommy Bars L = 100, 170, 290 mm	3 (SET)

METAL CASE: W445 x D188 x H50 (mm)

Double-End Truck Wrench W/Bar

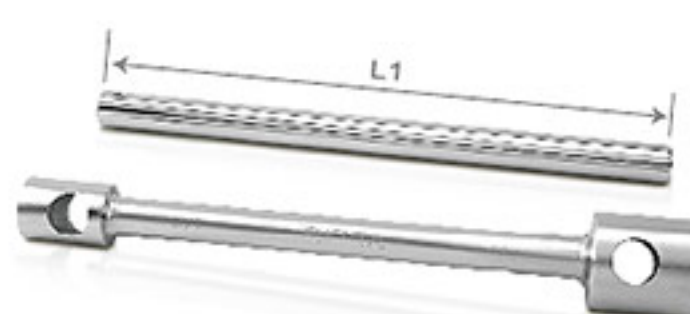
- Chrome Vanadium Alloy Steel
- Wheel nut removal tools
- 6-point socket wrench



ITEM NO.	SIZE (mm)	Bar Size (Dia.x L1)	L (mm)	Weight	Box
CTIA2427	24x27	Ø3/4"x16"	406	2	8
CTIA2730	27x30	Ø3/4"x16"	406	2	8
CTIA2732	27x32	Ø3/4"x16"	406	2	8
CTIA3032	30x32	Ø3/4"x16"	406	2	8
CTIA3233	32x33	Ø3/4"x16"	406	2	8
CTIA3238	32x38	Ø3/4"x16"	406	2	8

Double-End Truck Wrench W/Bar

- Chrome Vanadium Alloy Steel
- For off-road Budd-type wheels



ITEM NO.	SIZE (mm)	Bar Size (Dia.x L1)	L (mm)	Weight	Box
CTIB3517	35x17	Ø1"x16"	330	2	8
CTIB3821	38x21	Ø1"x16"	430	2	8
CTIB4121	41x21	Ø1"x16"	430	2	8

DOUBLE END SOCKET WRENCH SET



Foldable Cross Rim Wrench

- Chrome Vanadium Alloy Steel
- Foldable design for easy storage



ITEM NO.	SIZE(mm)	L(inch)	Weight	Box
AEAQ2214	17 x 19 x 21 x 22	14	4	16

T-Handle Socket Wrench

- Chrome Vanadium Alloy Steel



ITEM NO.	SIZE (mm)	L1 (mm)	L (mm)	Weight	Box
CTNA0830	8	200	310	10	40
CTNA0930	9	200	310	10	40
CTNA1030	10	200	310	10	40
CTNA1130	11	200	310	10	40
CTNA1230	12	200	310	10	40
CTNA1330	13	200	310	10	40
CTNA1430	14	200	310	10	40
CTNA1730	17	250	312	5	20
CTNA1930	19	250	312	5	20

4-Way Wheel Nut Wrench

- Chrome Vanadium Alloy Steel
- Specially designed handle for quick removal of wheel bolts



ITEM NO.	SIZE	L(inch)	Weight	Box
AEAL1616	17 x 19 x 21mm x 1/2" Dr.	16	5	15

4-Way Wheel Nut Wrench

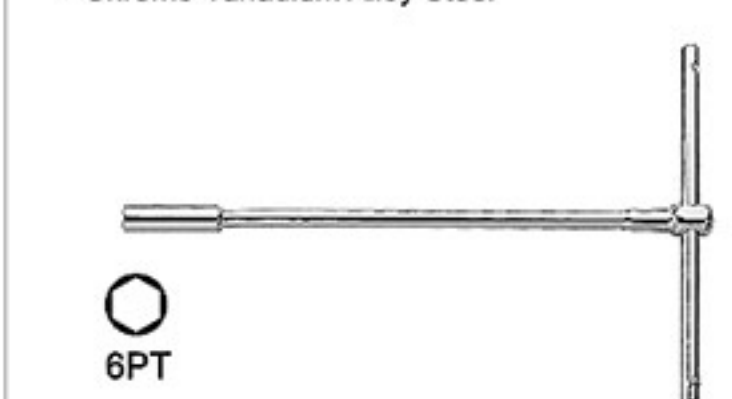
- Chrome Vanadium Alloy Steel
- Specially designed handle for quick removal of wheel bolts
- Suitable for most vans and light trucks



ITEM NO.	SIZE	L(inch)	Weight	Box
AEAL2401	24 x 27 x 32mm x 3/4" Dr.	27.5	5	

Sliding T-Handle Socket Wrench

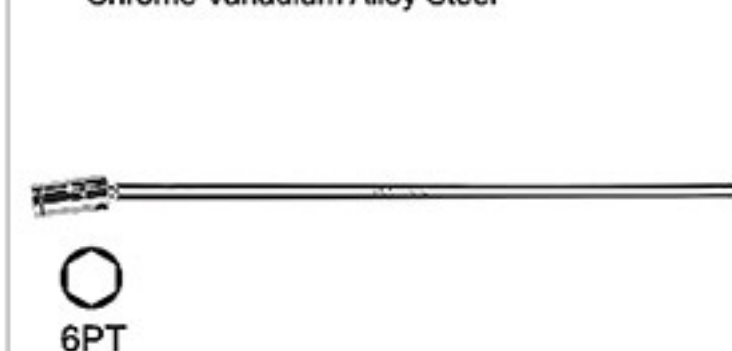
- Chrome Vanadium Alloy Steel



ITEM NO.	SIZE (mm)	L1 (mm)	L (mm)	Weight	Box
CTDA0831	8	200	310	10	40
CTDA0931	9	200	310	10	40
CTDA1031	10	200	310	10	40
CTDA1131	11	200	310	10	40
CTDA1231	12	200	310	10	40
CTDA1331	13	200	310	10	40
CTDA1431	14	200	310	10	40
CTDA1731	17	200	310	10	40
CTDA1931	19	200	310	10	40

Ball Swivel Socket Sliding T-Handle.

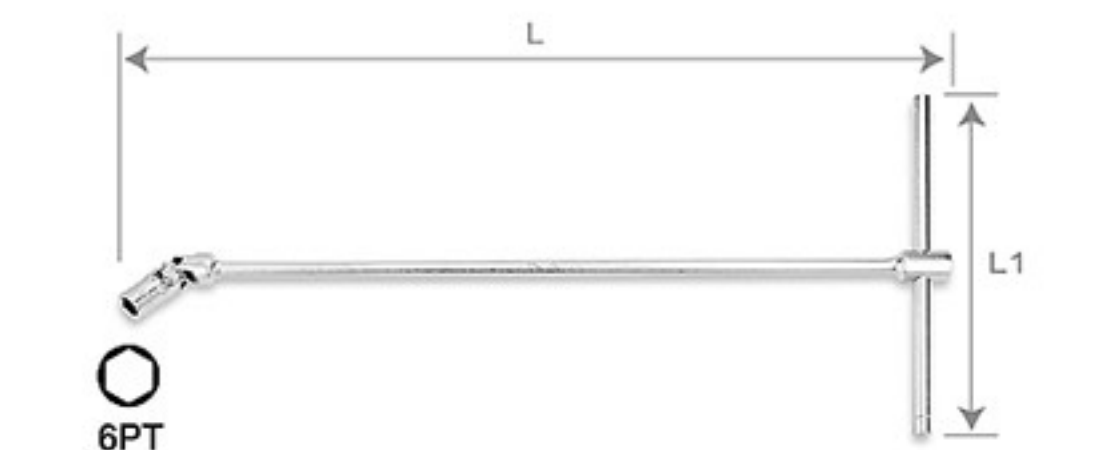
- Chrome Vanadium Alloy Steel



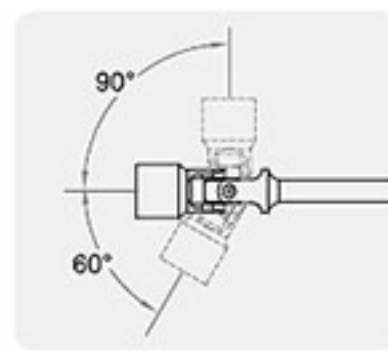
ITEM NO.	SIZE (mm)	L1 (mm)	L (mm)	Weight	Box
CTBA1032	10	200	320	10	40
CTBA1132	11	200	320	10	40
CTBA1332	13	200	320	10	40
CTBA0860	8	200	600	10	40
CTBA1060	10	200	600	10	40
CTBA1160	11	200	600	10	40
CTBA1260	12	200	600	10	40
CTBA1360	13	200	600	10	40
CTBA1460	14	200	600	10	40

Jointed Socket Sliding T-Wrench

- Chrome Vanadium Alloy Steel
- Universal joint articulation design allows to tighten or loosen difficult-to-access nuts
- Extra long shaft



- Drive bar can be take out for easy storage



ITEM NO.	SIZE	Extension Drive	L1	L		
CTKB1206	6	3/8"	200	390	10	40
CTKB1207	7	3/8"	200	390	10	40
CTKB1208	8	3/8"	200	390	10	40
CTKB1209	9	3/8"	200	390	10	40
CTKB1210	10	3/8"	200	500	10	40
CTKB1211	11	3/8"	200	500	10	40
CTKB1212	12	3/8"	200	500	10	40
CTKB1213	13	3/8"	200	500	10	40
CTKB1214	14	3/8"	200	500	10	40
CTKB1215	15	3/8"	200	500	10	40
CTKB1216	16	3/8"	200	500	10	40
CTKB1217	17	3/8"	200	500	10	40
CTKB1218	18	3/8"	200	500	10	40
CTKB1219	19	3/8"	200	500	10	40
CTKB1622	22	1/2"	200	500	10	20

Satin Chrome Finished

Ball Swivel Magnetic Spark Plug Socket T-Handle

- Chrome Vanadium Alloy Steel
- Swivel design provides better access to hard to reach spark plugs
- Extra long shaft



- Drive bar can be take out for easy storage

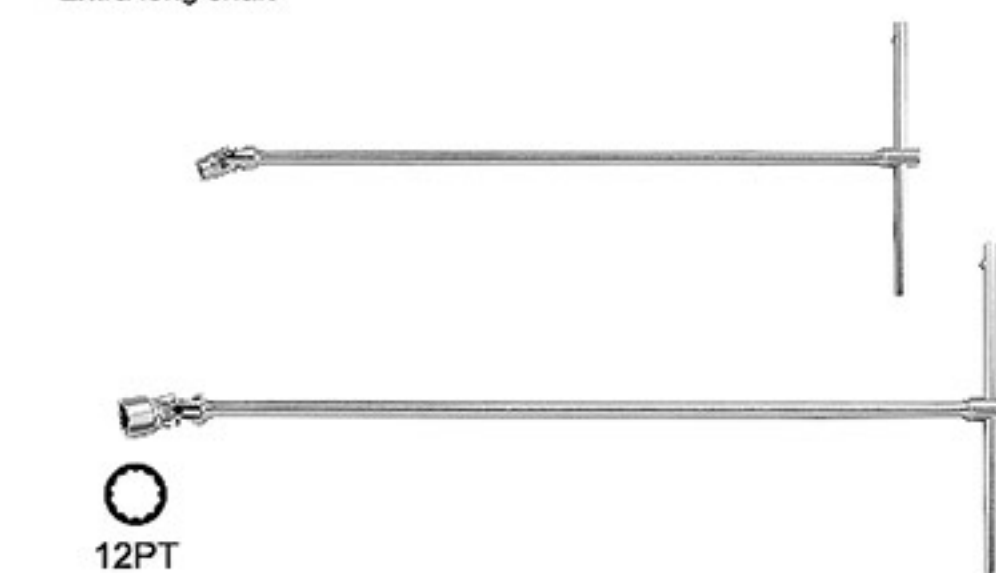


ITEM NO.	SIZE	Extension Drive	L1	L		
CTHB1645	16	3/8"	200	450	10	30
CTHB2145	21	3/8"	200	450	8	24

Dual Finished

Jointed Socket Sliding T-Wrench.

- Chrome Vanadium Alloy Steel
- Universal joint articulation design allows to tighten or loosen difficult-to-access nuts
- Extra long shaft



- Drive bar can be take out for easy storage



- Square drive opening on the T-handle for use with ratchets or extension tools

ITEM NO.	SIZE	Extension Drive	L1	L		
CTKA0806	6	1/4"	160	400	10	40
CTKA0807	7	1/4"	160	400	10	40
CTKA0809	9	1/4"	160	400	10	40
CTKA1210	10	3/8"	200	450	10	40
CTKA1212	12	3/8"	200	450	10	40
CTKA1214	14	3/8"	200	450	10	40
CTKA1215	15	3/8"	200	450	10	40
CTKA1216	16	3/8"	200	450	10	40
CTKA1217	17	3/8"	200	450	10	40
CTKA1218	18	3/8"	200	450	10	40
CTKA1219	19	3/8"	200	450	10	40

Satin Chrome Finished

Flexible Drivers with Sliding T-Handle

- Chrome Vanadium Alloy Steel
- Swivelling mechanism allows square drive end pre-positioning at the desired angle
- Extra long shaft

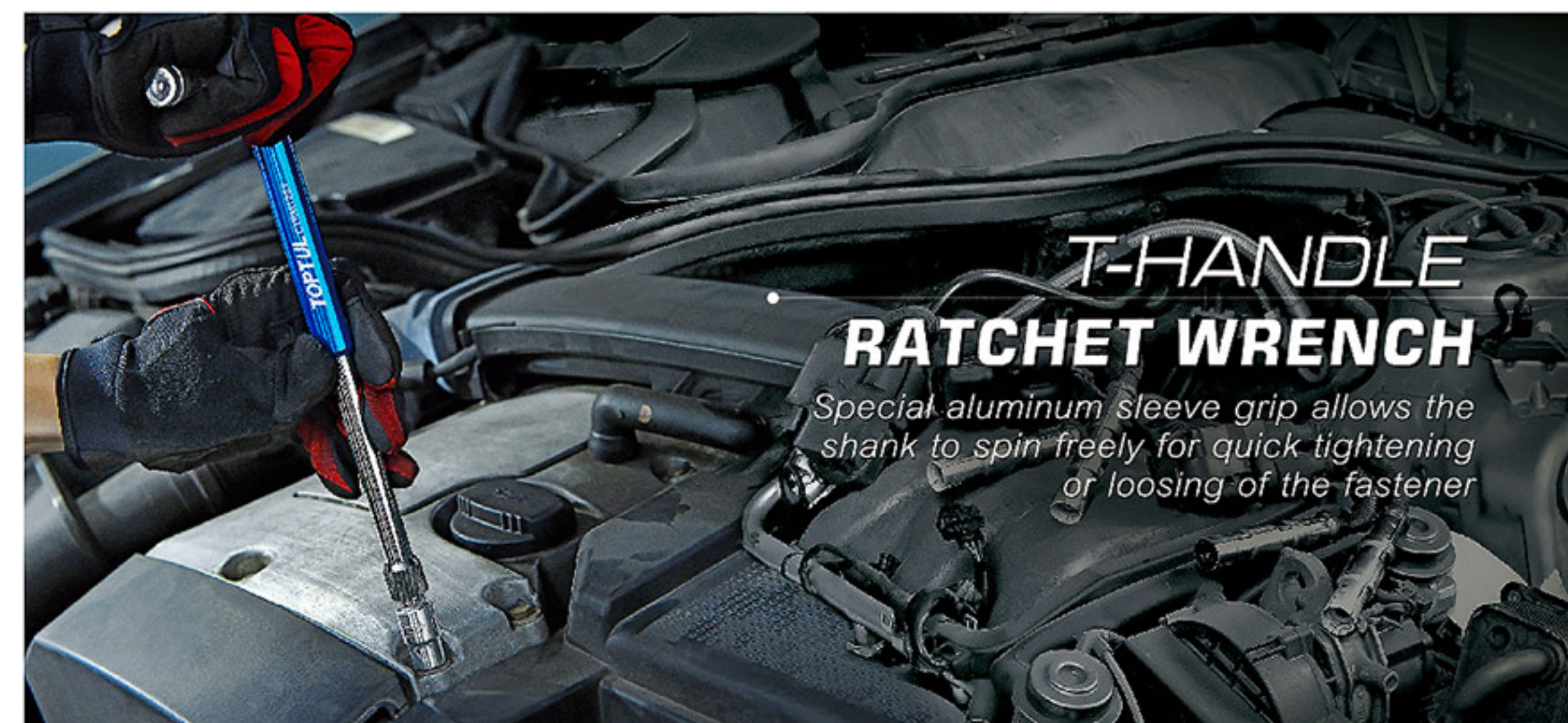


- Drive bar can be take out for easy storage



ITEM NO.	DRIVE	Extension Drive	L1	L		
CTLA0840	1/4"	1/4"	160	400	10	40
CTLA1245	3/8"	3/8"	200	450	10	40
CTLA1650	1/2"	1/2"	230	500	10	20

Satin Chrome Finished



T-Handle Ratchet Wrench

- Made of Chrome Vanadium Alloy Steel
- T-handle design with reversible 72 teeth fine gear ratchet mechanism, return angle of 5 degrees
- Quick-release mechanism ensures firm socket retention and easy socket removal
- Special aluminum sleeve grip allows the shank to spin freely for quick tightening or loosening of the fastener
- Ideal for automotive fastening applications
- In accordance to DIN 3120, ISO 1174-1



ITEM NO.	DRIVE	L1	L		
CTRM0826	1/4"	132	260	10	40
CTRM1227	3/8"	134	270	10	40

Mirror Polished



- 72 teeth ratcheting action only requires a 5-degree swing arc to operate, perfect for close quarters work in tight spots



- Quick-release mechanism ensures firm socket retention and easy socket removal

Mini 3 Way T-Handle Socket Wrench

- Made of Chrome Vanadium Alloy Steel
- Most common socket sizes in one compact T-type wrench
- Polished chrome finish
- 6-point

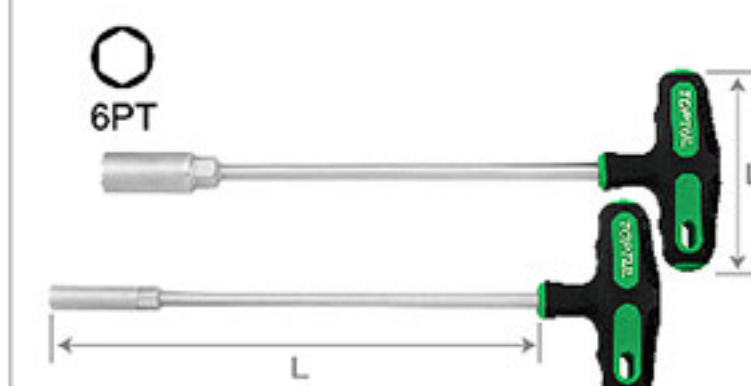


ITEM NO.	SIZE	L1	L		
CTMA0810	8x10x12	135	145	30	90

Mirror Polished

Hex Nut Driver T-Handle

- Chrome Vanadium Alloy Steel



ITEM NO.	SIZE	L1	L		
CTJA0523	5	95	230	5	30
CTJA0623	6	95	230	5	30
CTJA0723	7	95	230	5	30
CTJA0823	8	95	230	5	30
CTJA0923	9	95	230	5	30
CTJA1023	10	95	230	5	30
CTJA1123	11	95	230	5	30
CTJA1223	12	95	230	5	30
CTJA1323	13	95	230	5	30
CTJA1423	14	95	230	5	30

Satin Chrome Finished

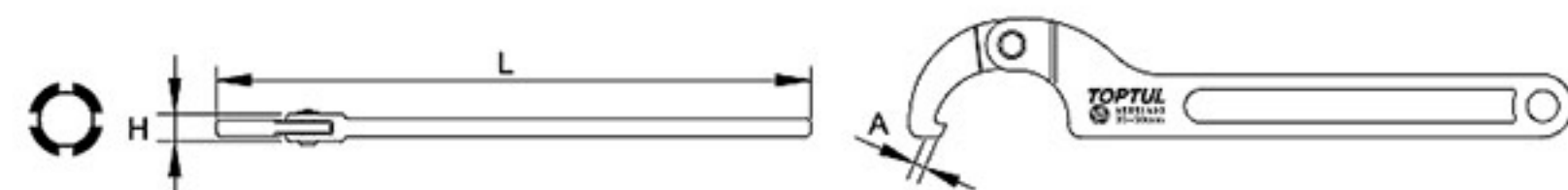
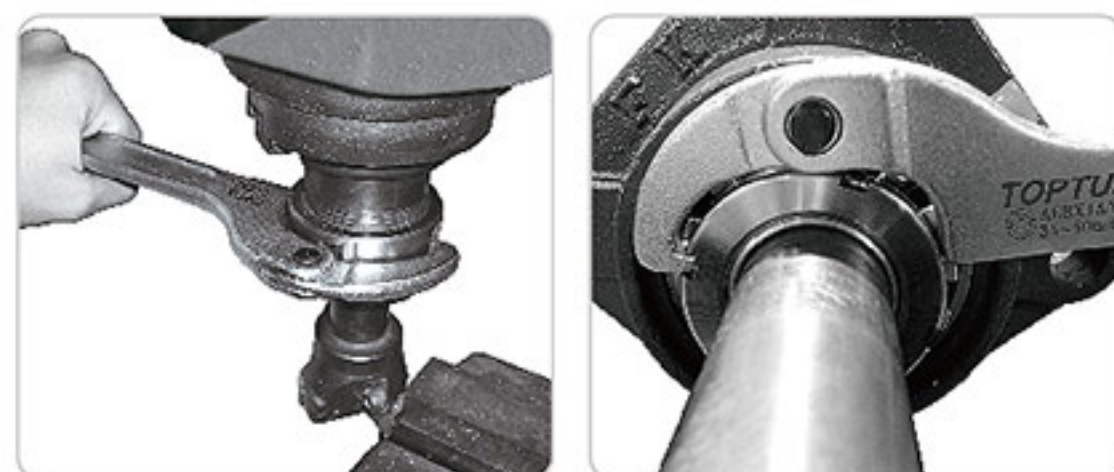
8PCS Hex Nut Driver T-Handle Set



ITEM NO.	GZC0802	
CONTENTS	5 (SET)	
CTJA0723-CTJA1423		
Hex Nut Driver T-Handle		
7, 8, 9, 10, 11, 12, 13, 14 mm		
PLASTIC BOX: W373 x D289 x H56 (mm)		

Adjustable Hook Spanner Wrench

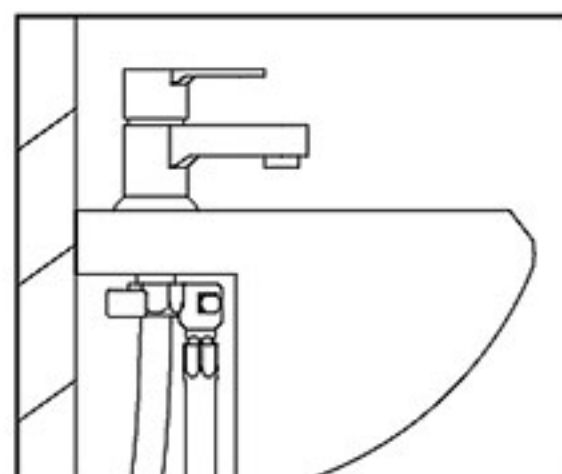
- Made of Chrome Vanadium Alloy Steel
- Ideal for adjusting collars, lock nut rings and bearings
- Five sizes cover the full range of conventional fixed wrenches



ITEM NO.	Diameter Capacity (mm)	Hook Depth (A) (mm)	Hook Thickness (H) (mm)	Overall Length (L) (mm)	Satin Finished
AEEX1A35	13 - 35	3.5	9	170	5 60
AEEX1A50	35 - 50	4.5	10	215	5 40
AEEX1A80	50 - 80	5.5	12	285	5 40
AEEX1AA2	80 - 120	6.0	13	345	5 30
AEEX1AA8	120 - 180	8.0	15	465	2 8

8PCS Basin Wrench Set

- Designed for tightening and loosening the nut of faucet or hand basin in difficult-to-reach locations
- Hollow tube design allows threaded rods to go through
- Direction of rotation reversed by pivoting the jaw without removing adjustable jaw from the tool



ITEM NO.	CONTENTS	(SET)	(SET)
GNBA0801	1 Basin Wrench (13mm) 1 Adapter (9mm) 1 Adapter (10mm) 1 Adapter (11mm) 1 Adapter (12mm) 1 Adapter (14mm) 1 Adapter (17mm) 1 Adjustable Jaw (13-32mm)	8	32

3/8" DR. 6PT Flare Nut Crowfoot Wrench

- Chrome Molybdenum Alloy Steel
- Precision machined for a tight and secure fit
- Drive size: 3/8"
- Specially designed for use on hard to reach or restricted access fasteners where a traditional wrench or ratchet handle cannot reach
- Ideal for hydraulic, fuel, air and brake line applications



ITEM NO.	SIZE(mm)	L(mm)	Satin Finished
AEAV1210	10	36	40 400
AEAV1211	11	38	40 400
AEAV1212	12	38	40 400
AEAV1213	13	43	30 300
AEAV1214	14	43	30 300
AEAV1215	15	44	30 300
AEAV1216	16	44	30 300
AEAV1217	17	48	30 300
AEAV1218	18	48	30 300
AEAV1219	19	49	30 300

ITEM NO.	SIZE(Inch)	L(mm)	SAE / Satin Finished
FAV1212	3/8	36	40 400
FAV1214	7/16	38	40 400
FAV1216	1/2	43	30 300
FAV1218	9/16	43	30 300
FAV1220	5/8	44	30 300
FAV1228	7/8	56	20 200

10PCS 3/8" DR. 6PT Flare Nut Crowfoot Wrench Set



ITEM NO.	CONTENTS	Satin Finished
GAAR1001	10 AEA1210-1219 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm	10 (SET)

Heavy Duty Adjustable Wrench

- Chrome Vanadium Alloy Steel
- Drop forged and specially heat-treated ensures high hardness and toughness
- Precision and easy to read millimeter graduation scale
- Flexible adjusting knob provides smooth rotation and improve work efficiency
- Industry grade model



ITEM NO.	SIZE (inch / mm)	MAXIMUM JAW OPENING WIDTH (mm)	L (mm)	SAE	SAE
AMAB1710	4" (100)	17.0	110	6	120
AMAB2415	6" (150)	23.9	160	6	90
AMAB2920	8" (200)	28.6	205	6	60
AMAB3325	10" (250)	32.8	255	6	36
AMAB3830	12" (300)	38.1	305	6	24
AMAB5038	15" (375)	50.0	380	2	4
AMAB6045	18" (450)	60.0	460	2	4
AMAB7060	24" (600)	70.0	612	1	5

Adjustable Wrench

- Chrome Vanadium Alloy Steel
- Millimeter graduation head for quick adjustment
- Black phosphate finish
- Polished head



ITEM NO.	SIZE (inch / mm)	MAXIMUM JAW OPENING WIDTH (mm)	L (mm)	SAE	SAE
AMAC2015	6" (150)	20	160	6	150
AMAC2420	8" (200)	24	210	6	72
AMAC2925	10" (250)	29	260	6	36
AMAC3430	12" (300)	34	310	6	24
AMAC4338	15" (375)	43	390	2	8

Paw Adjustable Wrench

- Chrome Vanadium Alloy Steel
- Drop forged and specially heat-treated ensures high hardness and toughness
- Precision and easy to read millimeter graduation scale
- Extra hardened and specially constructed jaw offers maximum torsional rigidity
- Non-slip and comfortable rubber (TPR) cushion grip handle
- Lighter weight and wider jaw opening model



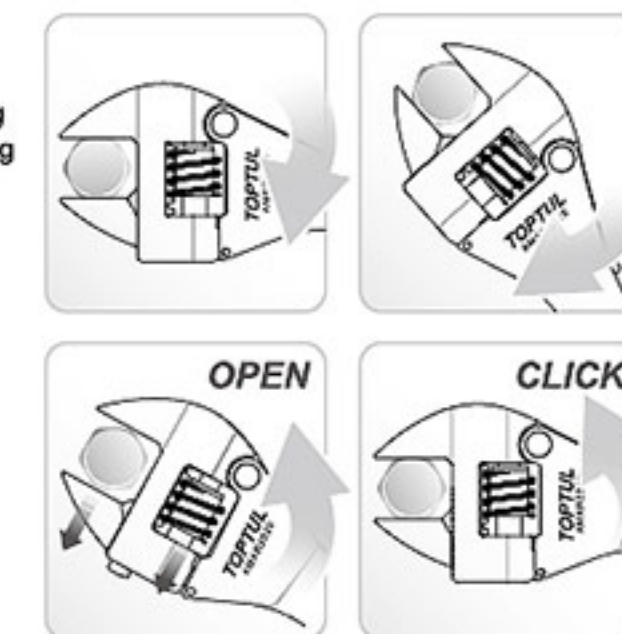
ITEM NO.	SIZE (inch / mm)	MAXIMUM JAW OPENING WIDTH (mm)	L (mm)	SAE	SAE
AMAA2415	6" (150)	23.9	165	6	120
AMAA2920	8" (200)	28.6	210	6	60
AMAA3325	10" (250)	32.8	260	6	48
AMAA3830	12" (300)	38.1	310	6	24

Ratcheting Adjustable Wrench.

- Drop forged chrome molybdenum steel jaw
- Smooth ratcheting action mechanism allows for tightening nuts, bolts or fasteners without removing and repositioning the wrench on the fastener
- Flexible adjusting knob provides smooth rotation and improve work efficiency
- Large and comfortable cushioned handle



ITEM NO.	SIZE (inch / mm)	MAXIMUM JAW OPENING WIDTH (mm)	L (mm)	SAE	SAE
AMAR2320	8" (200)	23	203	12	48
AMAR3125	10" (250)	28	260	6	36



Aluminum Alloy Pipe Wrench

- Drop forged chrome molybdenum steel jaw with aluminum handle
- Deeply serrated and hardened teeth
- Sturdy construction ensures maximum strength and durability to take on all tough pipefitting jobs
- Lightweight model



ITEM NO.	SIZE / LENGTH (inch)	JAW OPENING CAPACITY Ø (inch)	L (mm)	SAE	SAE
DDAC1A14	14	2	2	8	
DDAC1A18	18	2-1/2	2	4	
DDAC1A24	24	3	2	4	
DDAC1A36	36	5	1	2	
DDAC1A48	48	6	1	2	

Pipe Wrench

- Drop forged chrome molybdenum steel jaw with cast iron handle
- Deeply serrated and hardened teeth
- Sturdy construction ensures maximum strength and durability to take on all tough pipefitting jobs
- Heavy duty model



ITEM NO.	SIZE / LENGTH (inch)	JAW OPENING CAPACITY Ø (inch)	L (mm)	SAE	SAE
DDAB1A08	8	1	5	40	
DDAB1A10	10	1-1/2	5	20	
DDAB1A12	12	2	2	12	
DDAB1A14	14	2	2	8	
DDAB1A18	18	2-1/2	2	4	
DDAB1A24	24	3	2	4	
DDAB1A36	36	5	1	2	
DDAB1A48	48	6	1	2	

Pipe Wrench (45° Swedish model pipe wrench with S-shaped jaw)

- Swedish pattern pipe wrench
- Made of drop forged Chrome Vanadium Steel
- Slim, S-shaped jaws with induction hardened teeth
- Special jaw design grips pipes at three points
- Teeth offset against direction of rotation
- Suitable for working in confined spaces



ITEM NO.	SIZE (inch)	JAW OPENING CAPACITY Ø (inch)	L (mm)	SAE	SAE
DDAD1A32	1	1-1/2	345	2	12
DDAD1A48	1-1/2	2-1/4	440	2	12
DDAD1A64	2	2-1/2	560	2	8

Pipe Wrench (90° Swedish Model)

- Swedish pattern pipe wrench
- Made of drop forged Chrome Vanadium Steel
- 90° offset teeth against direction of rotation
- Knurled nut for quick adjustment of the jaw width
- Suitable for grip, rotation or bolting of round, multi-edged pipes, nuts, and flanges



ITEM NO.	SIZE (inch)	JAW OPENING CAPACITY Ø (inch)	L (mm)	SAE	SAE
DDAF1A32	1	1-1/2	335	2	12
DDAF1A48	1-1/2	2-1/4	440	2	12
DDAF1A64	2	2-1/2	555	2	8

HAWK PIPE WRENCH

ALUMINUM ALLOY

CAST IRON

Aluminum Alloy Hawk Pipe Wrench.

- Robust chrome vanadium steel jaw with aluminum handle
- High-frequency hardened teeth for optimum gripping power and maximum durability
- Specially designed jaw with spring loaded mechanism enables fast ratcheting action operation to rapidly tighten or loosen the fasteners
- Self-adjusting wrench head allows quick adjustment to fit various sizes of pipe or nut



ITEM NO.	SIZE (mm / inch)	HOSE CAPACITY (mm / inch)	JAW OPENING CAPACITY (mm / inch)	
DDAI1A18	450 (18")	25A - 50A / 1B - 2B	25 - 60mm / 1" - 2-3/8"	6

Hawk Pipe Wrench.

- Robust chrome vanadium steel jaw with cast iron handle
- High-frequency hardened teeth for optimum gripping power and maximum durability
- Specially designed jaw with spring loaded mechanism enables fast ratcheting action operation to rapidly tighten or loosen the fasteners
- Self-adjusting wrench head allows quick adjustment to fit various sizes of pipe or nut



ITEM NO.	SIZE (mm / inch)	HOSE CAPACITY (mm / inch)	JAW OPENING CAPACITY (mm / inch)	
DDAH1A18	450 (18")	25A - 50A / 1B - 2B	25 - 60mm / 1" - 2-3/8"	6

DIGITAL TORQUE WRENCH SHORT HANDLE TYPE

- Torque accuracy: CW $\pm 2\%$ & CCW $\pm 3\%$ tolerance of the set scale value
- Operating mode: Peak hold mode (peak value detection) / Track mode (continuous display)
- Torque unit selection: Nm, Ft-Lb, In-Lb, Kg-cm
- Storage memory: 50 readings
- Light indicator and buzzer are activated when the preset torque is reached
- Low battery indicator and auto shut off (after 5 minutes)
- 2 position, 48 teeth ratcheting mechanism: Forward / Reverse
- Ergonomically designed bi-component soft grip handle
- Tested and certified according to DIN EN ISO 6789, BS EN 26789, ASME B107.28



Torque Accuracy	CW $\pm 2\%$ / CCW $\pm 3\%$
Storage Memory	50 Readings
Torque Unit Selection	Nm, Ft-Lb, In-Lb, Kg-cm
Display Resolution	0.01 Nm, 0.01 Ft-Lb, 0.1 In-Lb, 0.1 Kg-cm (DT-030S2) 0.1 Nm, 0.1 Ft-Lb, 1 In-Lb, 1 Kg-cm (DT-085S3, DT-135S4)
Operating Mode	Peak Hold Mode / Track Mode
Gear Teeth	48 Teeth
Ratcheting Mechanism	Clockwise / Counterclockwise
Working Temperature	-10°C ~ 60°C
Storage Temperature	-20°C ~ 70°C
Humidity	Up to 90% non-condensing
Battery	1.5V AAA x 2pcs
Battery Life	48 Hours
Auto Shut Off	5 Minutes (when not in use)



Digital Torque Wrench - Short Handle Type

ITEM NO.	DRIVE	Torque Range				L (mm)	
		(Nm)	(Ft-Lb)	(In-Lb)	(Kg-cm)		
DT-030S2	1/4"	1.5~30	1.11~22.12	13.3~265.5	15.3~306.1	221	12
DT-085S3	3/8"	4.2~85	3.1~62.7	37~752	43~867	271	12
DT-135S4	1/2"	6.8~135	5.0~99.5	60~1195	69~1378	380	6

• Accuracy guaranteed at 20% - 100% of full scale. (Maximum torque value)

DIGITAL TORQUE / ANGLE WRENCH WITH REVERSIBLE RATCHET INSERT TOOL

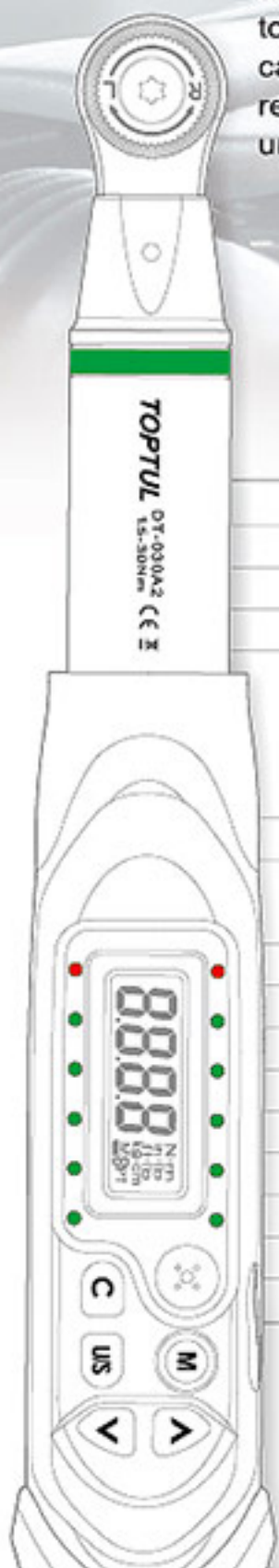
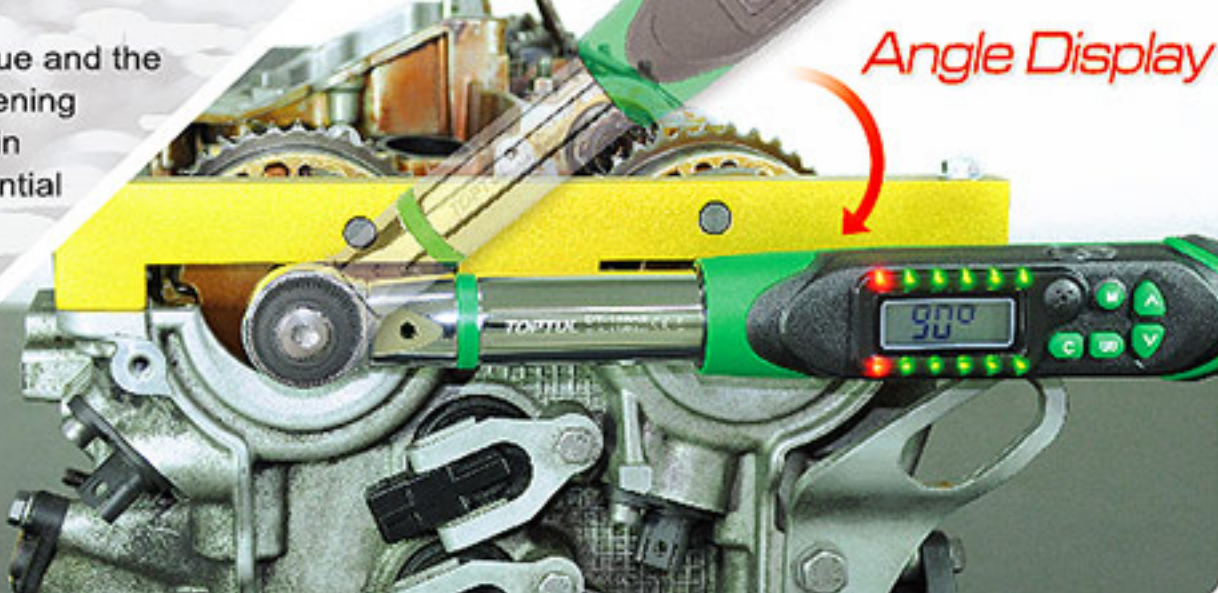
- Torque accuracy: CW $\pm 2\%$ & CCW $\pm 3\%$ tolerance of the set scale value
- Angle accuracy: $\pm 2^\circ$ (rotating 90° at speed of $30^\circ/\text{sec}$)
- Operating mode: Peak hold mode (peak value detection) / Track mode (continuous display)
- Unit selection: Nm, Ft-Lb, In-Lb, Kg-cm and Degree
- Rotation angle range: Up to 999°
- Storage memory: 50 Readings
- Light indicator and buzzer are activated when the preset torque is reached
- Low battery indicator and auto shut off (after 2 minutes)
- Exchangeable ratchet head design, suitable for 9×12 mm or 14×18 mm head size
- 2 position, 52 teeth ratcheting mechanism: Forward / Reverse
- Ergonomically designed bi-component soft grip handle
- Tested and certified according to DIN EN ISO 6789, BS EN 26789, ASME B107.28

Built-In Angle Gauge for Highly Precise Tightening Applications

Why Use Torque/Angle Type Digit Torque Wrench for Tightening?

Angle tightening eliminates friction issues related with torque tightening.

Since the tension is dependent on the tightening torque and the angle, measuring device that can measure both tightening torque and rotation angle exactly is required. In certain cases, the additional measure of accuracy is an essential requirement in order to avoid failure in the assembly under normal operation conditions.



Torque Accuracy	CW $\pm 2\%$ / CCW $\pm 3\%$
Angle Accuracy	$\pm 2^\circ$ (rotating 90° at speed of $30^\circ/\text{sec}$)
Storage Memory	50 Readings
Unit Selection	Nm, Ft-Lb, In-Lb, Kg-cm, Degree
Display Resolution	0.01 Nm, 0.01 Ft-Lb, 0.1 In-Lb, 0.1 Kg-cm (DT-030A2) 0.1 Nm, 0.1 Ft-Lb, 1 In-Lb, 1 Kg-cm (DT-135A3, DT-200A4, DT-340A4)
Operating Mode	Peak Hold Mode / Track Mode
Head Size (W x H)	9 x 12 mm - DT-030A2 & DT-135A3 14 x 18 mm - DT-200A4 & DT-340A4
Head Type	Round Head Ratchet Insert
Gear Teeth	52 Teeth
Ratcheting Mechanism	Clockwise / Counterclockwise
Working Temperature	$-10^\circ\text{C} \sim 60^\circ\text{C}$
Storage Temperature	$-20^\circ\text{C} \sim 70^\circ\text{C}$
Humidity	Up to 90% non-condensing
Battery	1.5V AA x 2pcs
Battery Life	110 Hours
Auto Shut Off	2 Minutes (when not in use)



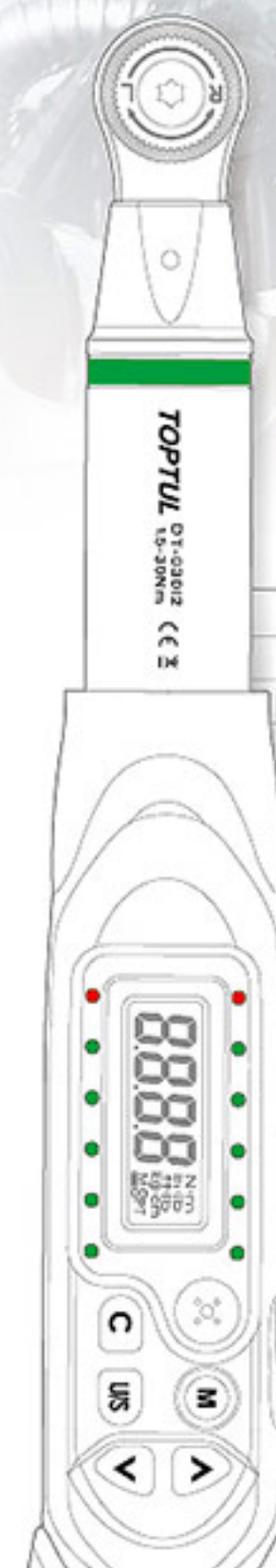
Digital Torque / Angle Wrench with Reversible Ratchet Insert Tool

ITEM NO.	HEAD SIZE (mm)	Torque Range				Reversible Ratchet	L (mm)	Icon
		(Nm)	(Ft-Lb)	(In-Lb)	(Kg-cm)			
DT-030A2	9 x 12	1.5~30	1.11~22.12	13.3~265.5	15.3~306.1	1/4"	390	6
DT-135A3	9 x 12	6.8~135	5.0~99.5	60~1195	69~1378	3/8"	410	6
DT-200A4	14 x 18	10~200	7.4~147.5	88~1770	102~2041	1/2"	520	6
DT-340A4	14 x 18	17~340	12.5~250.7	150~3009	173~3469	1/2"	640	6

• Accuracy guaranteed at 20% - 100% of full scale. (Maximum torque value)

DIGITAL TORQUE WRENCH WITH REVERSIBLE RATCHET INSERT TOOL

- Torque accuracy: CW $\pm 2\%$ & CCW $\pm 3\%$ tolerance of the set scale value
- Operating mode: Peak hold mode (peak value detection) / Track mode (continuous display)
- Torque unit selection: Nm, Ft-Lb, In-Lb, Kg-cm
- Storage memory: 50 readings
- Light indicator and buzzer are activated when the preset torque is reached
- Low battery indicator and auto shut off (after 5 minutes)
- The ratchet is exchangeable, providing the option of using a 9×12 mm or 14×18 mm head size
- 2 position, 52 teeth ratcheting mechanism: Forward / Reverse
- Ergonomically designed bi-component soft grip handle
- Tested and certified according to DIN EN ISO 6789, BS EN 26789, ASME B107.28



Torque Accuracy	CW $\pm 2\%$ / CCW $\pm 3\%$
Storage Memory	50 Readings
Torque Unit Selection	Nm, Ft-Lb, In-Lb, Kg-cm
Display Resolution	0.01 Nm, 0.01 Ft-Lb, 0.1 In-Lb, 0.1 Kg-cm (DT-030I2) 0.1 Nm, 0.1 Ft-Lb, 1 In-Lb, 1 Kg-cm (DT-135I3, DT-200I4, DT-340I4)
Operating Mode	Peak Hold Mode / Track Mode
Head Size (W x H)	9 x 12mm - DT-030I2 & DT-135I3 14 x 18 mm - DT-200I4 & DT-340I4
Head Type	Round Head Ratchet Insert
Gear Teeth	52 Teeth
Ratcheting Mechanism	Clockwise / Counterclockwise
Working Temperature	$-10^\circ\text{C} \sim 60^\circ\text{C}$
Storage Temperature	$-20^\circ\text{C} \sim 70^\circ\text{C}$
Humidity	Up to 90% non-condensing
Battery	1.5V AA x 2pcs
Battery Life	110 Hours
Auto Shut Off	5 Minutes (when not in use)



Digital Torque Wrench with Reversible Ratchet Insert Tool

ITEM NO.	HEAD SIZE (mm)	Torque Range				Reversible Ratchet	L (mm)	Icon
		(Nm)	(Ft-Lb)	(In-Lb)	(Kg-cm)			
DT-030I2	9 x 12	1.5~30	1.11~22.12	13.3~265.5	15.3~306.1	1/4"	390	6
DT-135I3	9 x 12	6.8~135	5.0~99.5	60~1195	69~1378	3/8"	410	6
DT-200I4	14 x 18	10~200	7.4~147.5	88~1770	102~2041	1/2"	520	6
DT-340I4	14 x 18	17~340	12.5~250.7	150~3009	173~3469	1/2"	640	6

• Accuracy guaranteed at 20% - 100% of full scale. (Maximum torque value)

DIGITAL TORQUE WRENCH



Digital Torque Wrench

- Torque accuracy: CW $\pm 1\%$ & CCW $\pm 1.5\%$ tolerance of the set scale value
- Precise reading accuracy for a minimum 5,000 tightening cycles
- Operating mode: Peak hold mode (peak value detection) / Track mode (continuous display)
- Torque unit selection: Nm, Ft-Lb, In-Lb, Kg-m
- Storage memory: 100 readings
- Light indicator and buzzer are activated when the preset torque is reached
- Low battery indicator and auto shut off (after 65 seconds)
- 3-position, 32 teeth ratcheting mechanism: Clockwise / Fixed / Counterclockwise
- Ergonomically designed bi-component soft grip handle
- Tested and certified according to DIN EN ISO 6789, BS EN 26789



• DT-030N



• DT-200N



Torque Accuracy	CW $\pm 1\%$ / CCW $\pm 1.5\%$
Storage Memory	100 Readings
Torque Unit Selection	Nm, Ft-Lb, In-Lb, Kg-m
Display Resolution	0.01 Nm, 0.01 Ft-Lb, 0.1 In-Lb, 0.01 Kg-m (DT-030N) 0.1 Nm, 0.1 Ft-Lb, 1 In-Lb, 0.01 Kg-m (DT-100N, DT-200N)
Operating Mode	Peak Hold Mode / Track Mode
Gear Teeth	32 Precision Teeth
Ratcheting Mechanism	Clockwise / Fixed / Counterclockwise
Working Temperature	-10°C ~ 55°C
Storage Temperature	-40°C ~ 85°C
Humidity	0 ~ 90%
Battery (not included)	1.5V AAA x 3pcs (DT-030N) 1.5V AA x 3pcs (DT-100N, DT-200N)
Battery Life	200 Hours
Auto Shut Off	65 Seconds (when not in use)



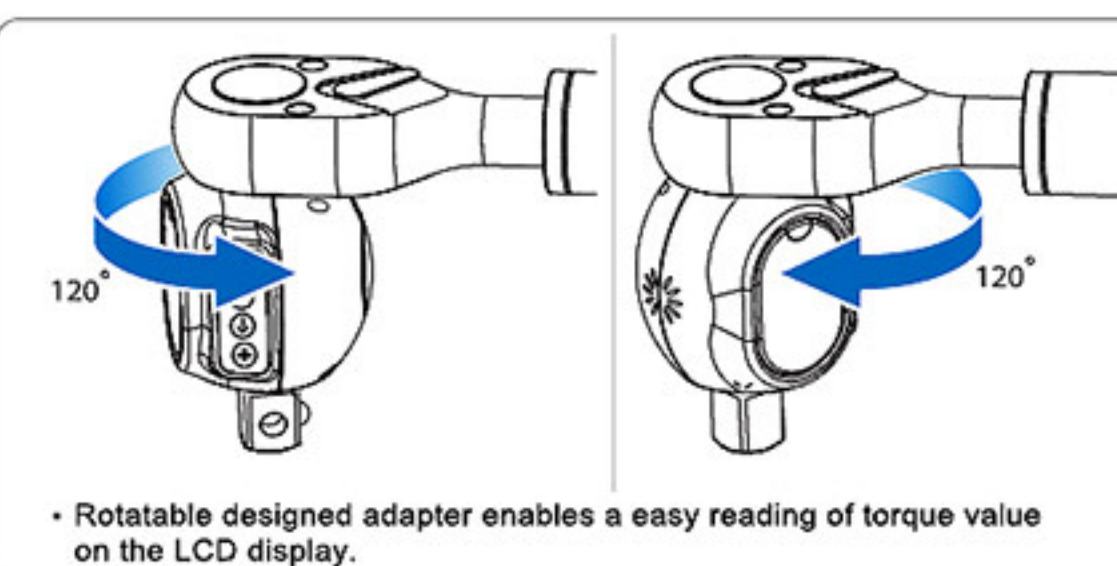
ITEM NO.	DRIVE	Torque Range				L (mm)	
		(Nm)	(Ft-Lb)	(In-Lb)	(Kg-m)		
DT-030N	1/4"	3.00~30.00	2.21~22.13	26.5~265.5	0.30~3.05	359	12
DT-100N	3/8"	10.0~100.0	7.3~73.7	88~885	1.02~10.20	440	12
DT-200N	1/2"	20.0~200.0	14.7~147.5	176~1769	2.03~20.38	530	6

DIGITAL TORQUE ADAPTER



Digital Torque Adapter

- Torque accuracy: CW $\pm 2\%$ & CCW $\pm 2\%$ tolerance of the set scale value (DTA-030N: CW $\pm 3\%$ & CCW $\pm 3\%$)
- Precise reading accuracy for a minimum 5000 tightening cycles
- Operating mode: Peak hold mode (peak value detection) / Track mode (continuous display)
- Torque unit selection: Nm, Ft-Lb, In-Lb, Kg-m, Kg-cm
- Storage memory: 10 sets
- Low battery indicator and auto shut off (after 3 minutes)
- Large LCD display for clear reading
- Tested and certified according to DIN EN ISO 6789, BS EN 26789
- Buzzer & LED indication for pre-settable target torque



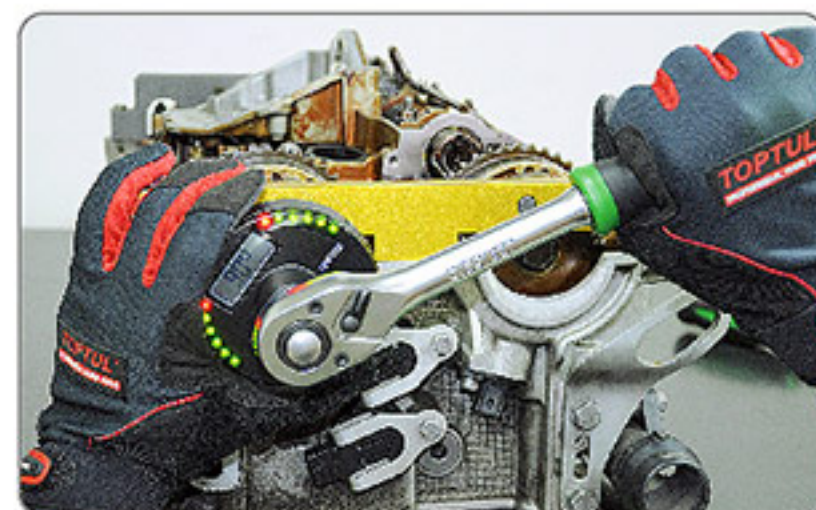
Torque Accuracy	CW $\pm 2\%$ / CCW $\pm 2\%$ (DTA-030N: CW $\pm 3\%$ & CCW $\pm 3\%$)
Storage Memory	10 Sets
Torque Unit Selection	Nm, Ft-Lb, In-Lb, Kg-m, Kg-cm
Display Resolution	0.1 Nm, 0.1 Ft-Lb, 1 In-Lb, 0.01 Kg-m, 1 Kg-cm
Operating Mode	Peak Hold Mode / Track Mode
Working Temperature	-10°C ~ 60°C
Storage Temperature	-20°C ~ 70°C
Humidity	0 ~ 90%
Battery	3V CR2032 x 1pc
Battery Life	50 Hours
Auto Shut Off	3 Minutes (when not in use)



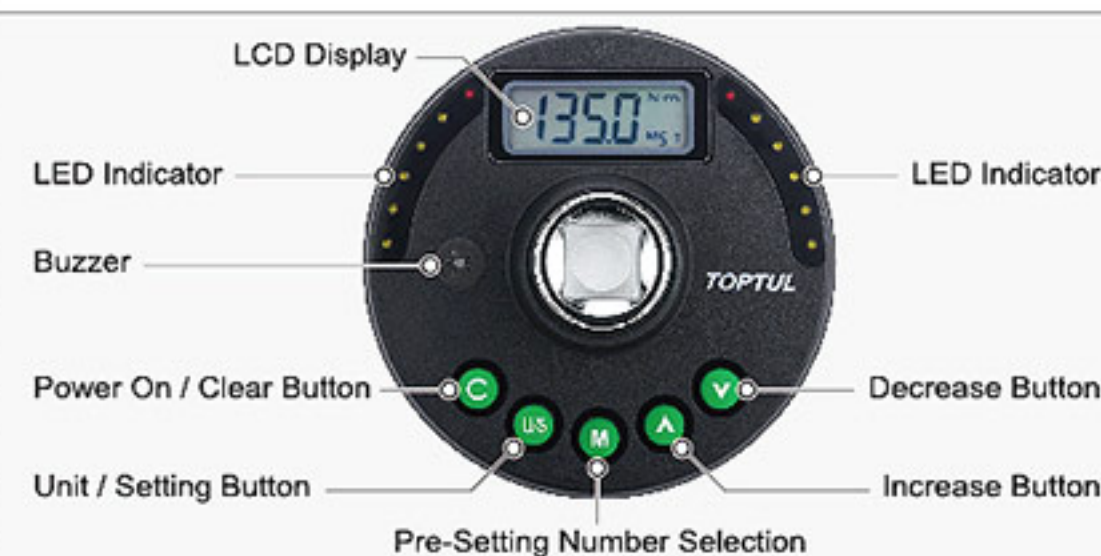
ITEM NO.	DRIVE	Torque Range				L (mm)	
		(Nm)	(Ft-Lb)	(In-Lb)	(Kg-m)	(Kg-cm)	
DTA-030N	1/4"	6~30	4.4~22.1	53~265	0.61~3.06	61~306	75 48
DTA-135N	3/8"	27~135	19.9~99.6	238~1194	2.75~13.77	275~1377	75 48
DTA-200N	1/2"	40~200	29.5~147.6	354~1770	4.08~20.4	408~2040	75 48

Digital Torque / Angle Adapter

- Torque accuracy: CW $\pm 3\%$ & CCW $\pm 4\%$ tolerance of the set scale value
- Angle accuracy: $\pm 2^\circ$ (rotating 90° at speed of $30^\circ/\text{sec}$)
- Operating mode: Peak hold mode (peak value detection) / Track mode (continuous display)
- Unit selection: Nm, Ft-Lb, In-Lb, Kg-cm, Degree
- Rotation angle range up to 999°
- Storage memory: 50 readings
- Light indicator and buzzer are activated when the preset torque is reached
- Low battery indicator and auto shut off (after 2 minutes)
- Tested and certified according to DIN EN ISO 6789, BS EN 26789, ASME B107.28



Torque Accuracy	CW $\pm 3\%$ / CCW $\pm 4\%$
Angle Accuracy	$\pm 2^\circ$ (rotating 90° at speed of $30^\circ/\text{sec}$)
Storage Memory	50 Readings
Unit Selection	Nm, Ft-Lb, In-Lb, Kg-cm, Degree
Display Resolution	0.1 Nm, 0.1 Ft-Lb, 1 In-Lb, 1 Kg-cm
Operating Mode	Peak Hold Mode / Track Mode
Working Temperature	$-10^\circ\text{C} \sim 60^\circ\text{C}$
Storage Temperature	$-20^\circ\text{C} \sim 70^\circ\text{C}$
Humidity	Up to 90% non-condensing
Battery	1.5V AAA x 2pcs
Battery Life	24 Hours
Auto Shut Off	2 Minutes (when not in use)



ITEM NO.	DRIVE	(Nm)	(Ft-Lb)	Torque Range (In-Lb)	(Kg-cm)	L (mm)	⊠
DTA-135A4	1/2"	6.8~135	5.0~99.5	60~1195	69~1378	80	18
DTA-200A4	1/2"	10~200	7.4~147.5	88~1770	102~2041	80	18
DTA-340A4	1/2"	17~340	12.5~250.7	150~3009	173~3469	80	18

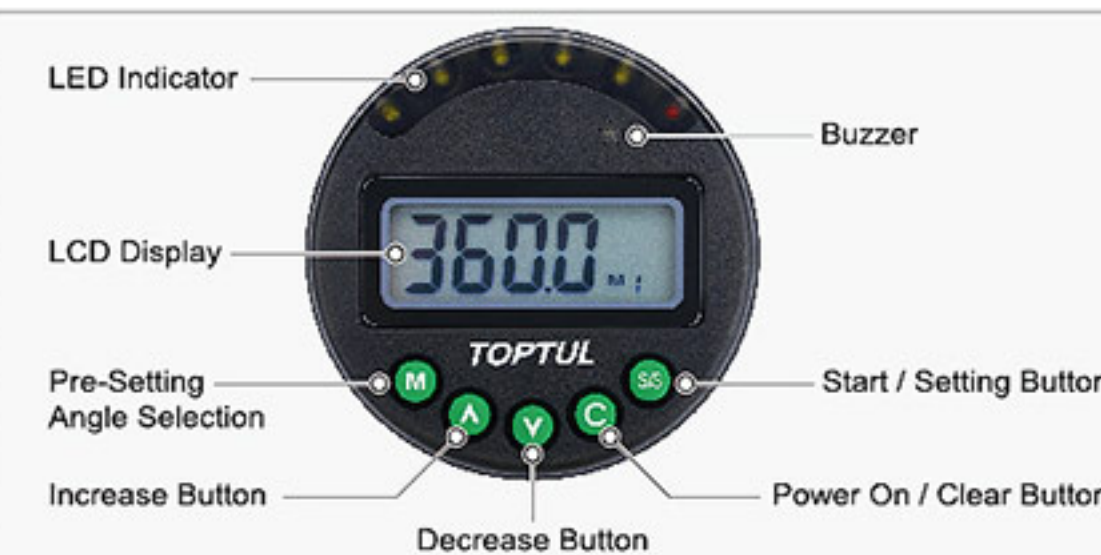
• Accuracy guaranteed at 20% - 100% of full scale. (Maximum torque value)

Digital Angle Meter with Magnet

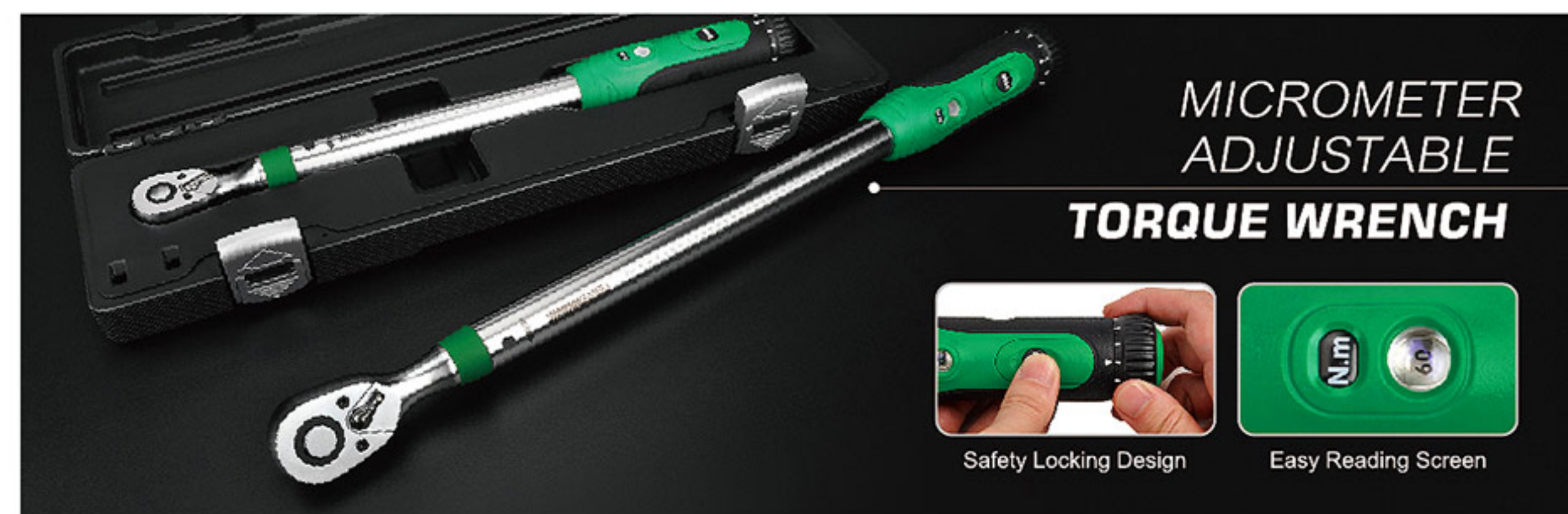
- Angle accuracy: $\pm 2^\circ$ (rotating 90° at speed of $30^\circ/\text{sec}$)
- Measuring unit: Degree
- Resolution: 0.1°
- Target range $1^\circ \sim 360^\circ$ (increment 1°)
- Rotation angle range up to 999°
- 9 preset target values
- Storage memory: 50 readings
- Clockwise and counterclockwise operation
- Light indicator and buzzer are activated when the preset angle value is reached
- Low battery indicator and auto shut off (after 2 minutes)



Angle Accuracy	$\pm 2^\circ$ (rotating 90° at speed of $30^\circ/\text{sec}$)
Display Range	$0^\circ \sim 999^\circ$
Resolution	0.1°
Target Memory	9 Set
Rotation Range	$1^\circ \sim 360^\circ$ (increment 1°)
Storage Memory	50 Readings
Working Temperature	$-10^\circ\text{C} \sim 60^\circ\text{C}$
Storage Temperature	$-20^\circ\text{C} \sim 70^\circ\text{C}$
Humidity	Up to 90% non-condensing
Battery	1.5V AAA x 2pcs
Battery Life	48 Hours
Auto Shut Off	2 Minutes (when not in use)



ITEM NO.	Rotation Range	Resolution	L (mm)	⊠
DTD-360A	$1^\circ \sim 360^\circ$	0.1°	41	18



MICROMETER ADJUSTABLE TORQUE WRENCH



Safety Locking Design



Easy Reading Screen

Micrometer Adjustable Torque Wrench (Window Display)

- Robust chrome molybdenum alloy steel square drive
- Push to lock/pull to unlock scale setting
- Flip reverse lever allows to quickly change the drive direction
- Quick release button ensures firm socket retention and easy socket removal
- Large digit for easy-to-read torque setting
- Ergonomically designed, anti-slip nylon plastic grip handle
- Tolerance of torque accuracy $\pm 3\%$ CW



48 Gears

ITEM NO.	DRIVE	CAPACITY	L (mm)	⊠
ANAU0803	1/4"	5-25Nm	323	6
ANAU1210	3/8"	20-100Nm	400	6
ANAU1620	1/2"	40-200Nm	517	6

Micrometer Adjustable Torque Wrench (Window Display)

- Robust chrome molybdenum alloy steel square drive
- Push to lock/pull to unlock scale setting feature
- Flip reverse lever allows to quickly change the drive direction
- Large digit for easy-to-read torque setting
- Ergonomically designed, anti-slip nylon plastic grip handle
- Tolerance of torque accuracy $\pm 3\%$ CW



ITEM NO.	DRIVE	CAPACITY	L (mm)	⊠
ANAU1634	1/2"	60-340Nm	622	4
ANAU2475	3/4"	150-750Nm	1195	2
ANAU32A0	1"	200-1000Nm	1490	2

Micrometer Adjustable Torque Wrench (Window Display)

- Robust chrome molybdenum alloy steel square drive
- Push to lock/pull to unlock scale setting
- Flip reverse lever allows to quickly change the drive direction
- Quick release button ensures firm socket retention and easy socket removal
- Large digit for easy-to-read torque setting
- Ergonomically designed, anti-slip nylon plastic grip handle
- Tolerance of torque accuracy $\pm 3\%$ CW



1.Unlock adjustable handle.



3.When torque value is selected and set, lock adjustable handle. (To lock the handle, the arrow must be precisely pointed at the digit/number)



2.Set the required torque by turning adjustable handle.



4.After installing socket to nut or bolt, apply force on the handle and then stop applying force until hearing "click". The torque wrench will return to zero reset automatically.

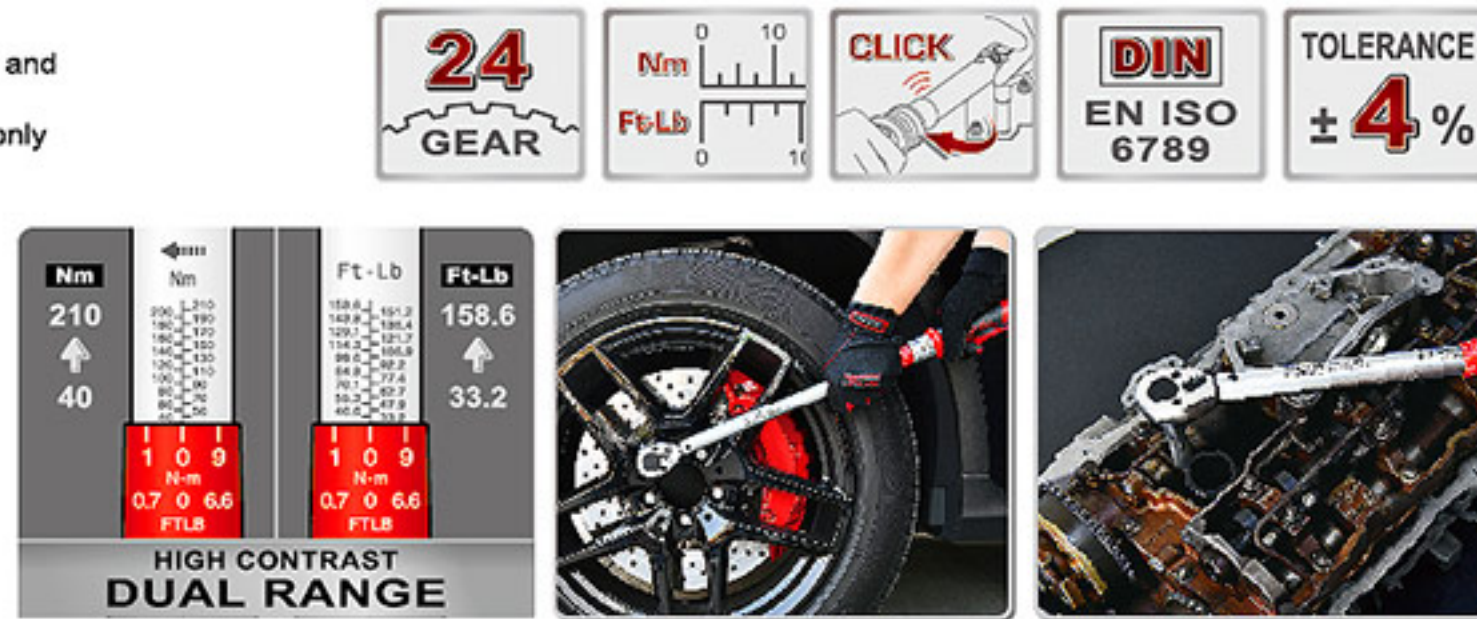


ITEM NO.	DRIVE	CAPACITY	L (mm)	⊠
ANAM0803	1/4"	5-25Nm	290	10
ANAM1205	3/8"	10-50Nm	360	10
ANAM1610	1/2"	20-100Nm	405	10
ANAM1620	1/2"	40-200Nm	500	10
ANAM1630	1/2"	60-300Nm	595	10
ANAM1640	1/2"	80-400Nm	680	8

ITEM NO.	DRIVE	CAPACITY	L (mm)	⊠
ANAM2455	3/4"	110-550Nm	970	2
ANAM2475	3/4"	150-750Nm	1150	2
ANAM32A0	1"	200-1000Nm	1250	2

Mechanical Torque Wrench

- Robust chrome molybdenum alloy steel square drive
- Reversible 24 teeth ratchet mechanism for both clockwise and counterclockwise operation
- Designed for measuring torque in the clockwise direction only
- Easy to read dual scale in both Nm and Ft-Lb
- Unique spring design for long tool life and repeatability
- Click system triggers a tactile and audible signal when the required torque is reached
- Ergonomically designed non-slip grip handle
- Quick and easy adjustment of the desired torque by turning the handle
- Tolerance of torque accuracy $\pm 4\%$ CW
- Tested and certified according to DIN EN ISO 6789



Easy to read laser marked dual scale in both Nm and Ft-Lb (Nm & In-Lb for ANBV0803)

Ideal for automotive, machinery and equipment repair and maintenance services

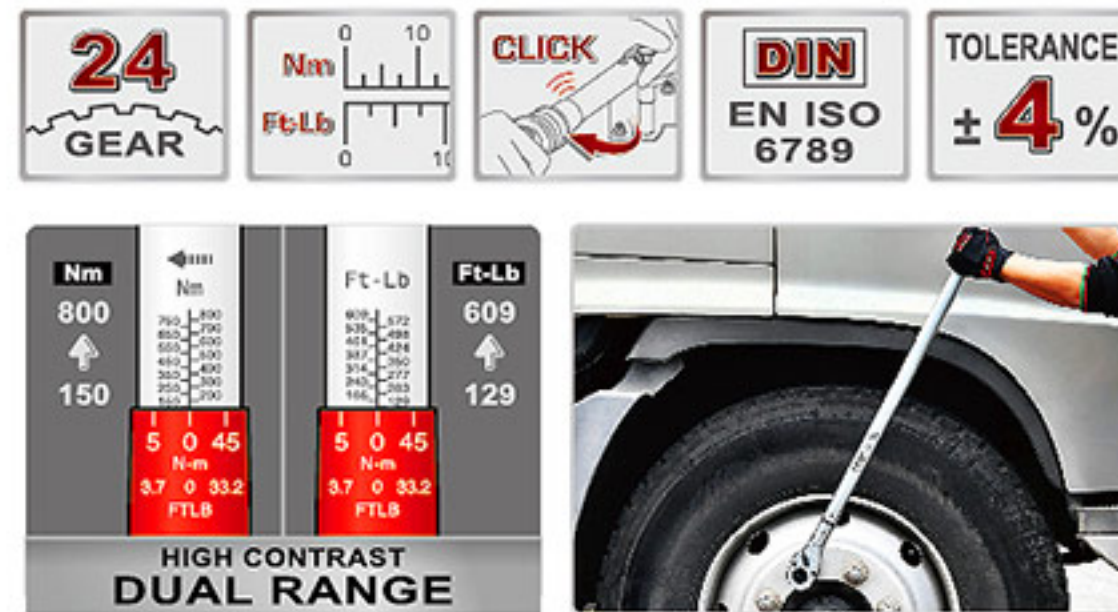


The center of the handgrip is marked with a red line in order to identify the position of the hand and the force loading point when operating and calibrating the wrench.

ITEM NO.	DRIVE	CAPACITY	L(mm)	24 Gears
ANBV0803	1/4"	5-25Nm	295	25
ANBV1206	3/8"	10-60Nm	340	12
ANBV1211	3/8"	20-110Nm	375	12
ANBV1621	1/2"	40-210Nm	525	12
ANBV1635	1/2"	70-350Nm	580	12

Mechanical Torque Wrench with Quick Release

- Robust chrome molybdenum alloy steel square drive
- Reversible 24 teeth ratchet mechanism for both clockwise and counterclockwise operation
- Designed for measuring torque in the clockwise direction only
- Easy to read dual scale in both Nm and Ft-Lb
- Spring-ball socket retention and push-button quick release
- Unique spring design for long tool life and repeatability
- Click system triggers a tactile and audible signal when the required torque is reached
- Ergonomically designed non-slip grip handle
- Quick and easy adjustment of the desired torque by turning the handle
- Tolerance of torque accuracy $\pm 4\%$ CW
- Tested and certified according to DIN EN ISO 6789



Easy to read laser marked dual scale in both Nm and Ft-Lb

Ideal for automotive, machinery and equipment repair and maintenance services



The center of the handgrip is marked with a red line in order to identify the position of the hand and the force loading point when operating and calibrating the wrench.

ITEM NO.	DRIVE	CAPACITY	L(mm)	24 Gears
ANBV2460	3/4"	100-600Nm	955	2
ANBV2480	3/4"	150-800Nm	1090	2
ANBV24A0	3/4"	200-1000Nm	1090	2
ANBV32A0	1"	200-1000Nm	1095	2

Torque Wrench

- CR-V/CR-MO square drive
- Push to lock/pull to unlock scale setting
- Flip reverse lever allows to quickly change the drive direction
- Quick release button ensures firm socket retention and easy socket removal
- Ergonomically designed, anti-slip TPR plastic grip handle
- Tolerance of torque accuracy $\pm 4\%$ CW



ITEM NO.	DRIVE	CAPACITY	L(mm)	24 Gears
ANAG0825	1/4"	40-250in-LB	350	20
ANAG1225	3/8"	40-250in-LB	350	20
ANAG1208	3/8"	15-80FT-LB	385	12
ANAG1615	1/2"	30-150FT-LB	535	10
ANAG1625	1/2"	50-250FT-LB	645	6
ANAG2430	3/4"	50-300FT-LB	865	4
ANAG2460	3/4"	100-600FT-LB	1092	4
ANAG2470	3/4"	100-700FT-LB	1230	2
ANAG3270	1"	100-700FT-LB	1230	2

Torque Wrench

- Robust chrome molybdenum alloy steel square drive
- Reversible 24 teeth ratchet mechanism for both clockwise and counterclockwise operation
- Designed for measuring torque in the clockwise direction only
- Easy-to-read dual scale in both Nm and Ft-Lb/In-Lb
- Positive locking mechanism securely locks adjustment in place after setting the desired torque value
- Unique spring design for long wrench life and repeatability
- Knurled handle for secure and non-slip grip during use
- Sturdy all-metal construction design, ideal for various automotive and industrial applications
- Tolerance of torque accuracy $\pm 4\%$ CW
- Tested and certified according to DIN EN ISO 6789



Positive Locking Mechanism
Securely lock in the desired tightening torque value

ITEM NO.	DRIVE	CAPACITY	L(mm)	24 Gears
ANAV0802	1/4"	4-24Nm	280	25
ANAV1211	3/8"	19-110Nm	355	15
ANAV1621	1/2"	28-210Nm	470	12
ANAV1637	1/2"	50-365Nm	635	8

Micrometer Adjustable Torque Wrench

- Chrome vanadium alloy steel square drive
- 3-way ratchet drive mechanism: Forward / Lock / Reverse
- Flip reverse lever allows to quickly change the drive direction
- Quick release button ensures firm socket retention and easy socket removal
- Positive lock scale setting feature
- Ergonomically designed, anti-slip plastic handle
- Measures in both tightening torque (CW) and loosening torque (CCW)
- Tolerance of torque accuracy $\pm 4\%$ CW and $\pm 6\%$ CCW



ITEM NO.	DRIVE	CAPACITY	L(mm)	32 Gears
ANAS0803	1/4"	6-30Nm	230	20
ANAS1211	3/8"	20-110Nm	435	10
ANAS1621	1/2"	40-210Nm	495	10
ANAS1635	1/2"	70-350Nm	560	6

Micrometer Adjustable Torque Wrench

- Chrome vanadium alloy steel square drive
- 3-way ratchet drive mechanism: Forward / Lock / Reverse
- Flip reverse lever allows to quickly change the drive direction
- Positive lock scale setting feature
- Ergonomically designed, anti-slip plastic handle
- Measures in both tightening torque (CW) and loosening torque (CCW)
- Tolerance of torque accuracy $\pm 4\%$ CW and $\pm 6\%$ CCW



ITEM NO.	DRIVE	CAPACITY	L(mm)	36 Gears
ANAS2480	3/4"	100-800Nm	1000	2

11PCS 1/2" DR. Torque Wrench Set



ITEM NO.	CONTENTS	6 (SET)
GAAI1102	1 ANAF1621 1/2" Dr. Torque Wrench (40-210Nm) 6 BAEA1617~1627 1/2" Dr. 6PT Flank Sockets 17, 19, 21, 22, 24, 27 mm 6 BCDA1606~1612 1/2" Dr. Hex Bit Sockets 6, 8, 10, 12 mm BLOW CASE: W590 x D85 x H80 (mm)	



MICROMETER
ADJUSTABLE
TORQUE WRENCH



Aluminum Torque Wrench

- Lightweight and robust aluminum alloy housing
- Rugged construction for all industrial applications and extreme continuous use
- Single square drive for controlled clockwise tightening
- Unique multi-lever mechanism ensures length independent and accurate torque. The torque output is the same from different grip position during fastening application
- Automatic tactile impulse and audible signal when desired torque is reached
- Easy and accurate torque setting through adjustment knob on the end of the handle
- Supplied with extension handles to minimize operator effort when higher torque is required
- Ideal for various industrial manufacturing areas such as industrial automation, wind power industry, aerospace industry and etc.
- Tolerance of torque accuracy $\pm 3\%$ CW
- Tested and certified according to DIN EN ISO 6789, ASME B107.300 (ASME B107.14)



ITEM NO.	DRIVE	CAPACITY	Aluminum Housing L(mm)	Overall Length W/Extension Tubes (mm)	⊞
ANAH32B0	1"	750-2000Nm	950	2350	1
ANAH48C0	1-1/2"	1500-3000Nm	1050	2820	1

Interchangeable Torque Handle

- Interchangeable chrome vanadium alloy steel open-end head
- A push of the locking pin provides quick-change action with different head types or sizes
- Positive lock scale setting feature
- Ergonomically designed, anti-slip TPR plastic grip handle
- Measures in both tightening torque (CW) and loosening torque (CCW)
- Tolerance of torque accuracy $\pm 4\%$ CW and $\pm 4\%$ CCW
- Tested and certified according to DIN EN ISO6789, ASME B107.300 (ASME B107.14)



ITEM NO.	HEAD SIZE (mm)	CAPACITY	L (mm)	⊞
ANAP0160	14x18	100-600Nm	986	2
ANAP0180	14x18	150-800Nm	1172	2
ANAP01A0	14x18	200-1000Nm	1172	2



Interchangeable Torque Handle (Window Display)

- Tolerance of torque accuracy $\pm 4\%$ CW



ITEM NO.	HEAD SIZE (mm)	CAPACITY	L (mm)	⊞
ANAJ0130	14x18	60-320Nm	575	6



Interchangeable Torque Handle

- Unique push to lock/pull to unlock scale setting feature
- A push of the locking pin provides quick-change action with different head types or sizes
- Ergonomically designed, anti-slip TPR plastic grip handle
- Tolerance of torque accuracy $\pm 4\%$ CW



ITEM NO.	HEAD SIZE (mm)	CAPACITY	L (mm)	⊞
ANAH0303	9x12	6-30Nm	280	20
ANAH0108	14x18	10-80Nm	360	12
ANAH0121	14x18	40-210Nm	509	10

10PCS 3/8" DR. Head-Interchangeable Spanner Torque Wrench Set



ITEM NO.	CONTENTS	⊞
GAAH1001	1 ANAH0303 9x12 Head Size Interchangeable Torque Handle (6-30Nm) 1 ANAL0412 3/8" Dr. Ratchet Head (24 Teeth) 1 ANAK0307-0314 Spanner Head (Open End) 7, 8, 9, 10, 11, 12, 13, 14 mm	10 (SET)

BLOW CASE: W360 x D140 x H64 (mm)

8PCS 1/2" DR. Head-Interchangeable Spanner Torque Wrench Set



ITEM NO.	CONTENTS	⊞
GAAH0801	1 ANAH0108 14x18 Head Size Interchangeable Torque Handle (10-80Nm) 1 ANAL0216 1/2" Dr. Ratchet Head (24 Teeth) 1 ANAK0117-0129 Spanner Head (Open End) 17, 22, 24, 26, 27, 29 mm	6 (SET)

BLOW CASE: W420 x D210 x H55 (mm)

11PCS 1/2" DR. Head-Interchangeable Spanner Torque Wrench Set



ITEM NO.	CONTENTS	⊞
GAAH1101	1 ANAH0121 14x18 Head Size Interchangeable Torque Handle (40-210Nm) 1 ANAL0116 1/2" Dr. Ratchet Head (24 Teeth) 1 ANAK0113-0130 Spanner Head (Open End) 13, 14, 15, 17, 19, 22, 24, 27, 30 mm	4 (SET)

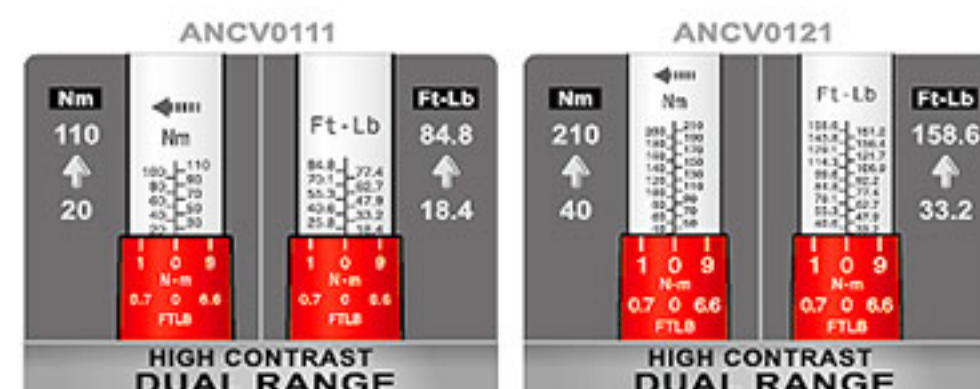
BLOW CASE: W545 x D146 x H55 (mm)

INTERCHANGEABLE HEAD TORQUE WRENCH



Interchangeable Head Torque Wrench

- Chrome vanadium alloy steel interchangeable open-end head
- A push of the locking pin provides quick-change action with different head types or sizes
- 14mm x 18mm rectangular fitting (adapter size)
- Designed for measuring torque in the clockwise direction only
- Easy to read dual scale in both Nm and Ft-Lb
- Click system triggers a tactile and audible signal when the required torque is reached
- Ergonomically designed non-slip grip handle
- Tolerance of torque accuracy $\pm 4\%$ CW
- Tested and certified according to DIN EN ISO 6789



Easy to read laser marked dual scale in both Nm and Ft-Lb



ITEM NO.	HEAD SIZE (mm)	CAPACITY	L (mm)	
ANCV0111	14x18	20-110Nm	365	16
ANCV0121	14x18	40-210Nm	505	9

8PCS 1/2" DR. Interchangeable Head Torque Wrench Set

- Chrome vanadium alloy steel interchangeable open-end head
- A push of the locking pin provides quick-change action with different head types or sizes
- 14mm x 18mm rectangular fitting (adapter size)
- Easy to read dual scale in both Nm and Ft-Lb
- Tolerance of torque accuracy $\pm 4\%$ CW
- Tested and certified according to DIN EN ISO 6789



ITEM NO.	CONTENTS	
GAAI0802	1 ANCV0111 14x18 Interchangeable Head Torque Wrench (20-110Nm)	6 (SET)
	1 ANCL0216 1/2" Dr. Ratchet Head (48 Teeth)	
	8 ANAK0213-0227 Spanner Head (Open End) 13, 17, 19, 22, 24, 27 mm	

BLOW CASE: W410 x D150 x H61 (mm)

11PCS 1/2" DR. Interchangeable Head Torque Wrench Set

- Chrome vanadium alloy steel interchangeable open-end head
- A push of the locking pin provides quick-change action with different head types or sizes
- 14mm x 18mm rectangular fitting (adapter size)
- Easy to read dual scale in both Nm and Ft-Lb
- Tolerance of torque accuracy $\pm 4\%$ CW
- Tested and certified according to DIN EN ISO 6789



ITEM NO.	CONTENTS	
GAAI1103	1 ANCV0121 14x18 Interchangeable Head Torque Wrench (40-210Nm)	4 (SET)
	1 ANCL0216 1/2" Dr. Ratchet Head (48 Teeth)	
	9 ANAK0213-0230 Spanner Head (Open End) 13, 14, 15, 17, 19, 22, 24, 27, 30 mm	

BLOW CASE: W520 x D146 x H65 (mm)

Spanner Head (Open End)

- Chrome Vanadium Alloy Steel
- 14x18mm rectangular fitting
- For use with interchangeable head torque wrenches
- Safety spring pin locking mechanism ensures positive retention
- Quick-change design for fast and easy insertion
- Ideal for use in confined spaces



ITEM NO.	HEAD SIZE (mm)	SIZE (mm)	L (mm)		
ANAK0213	14x18	13	57.5	20	80
ANAK0214	14x18	14	58.0	20	80
ANAK0215	14x18	15	58.0	20	80
ANAK0216	14x18	16	58.5	20	80
ANAK0217	14x18	17	59.5	20	80
ANAK0218	14x18	18	60.0	20	80
ANAK0219	14x18	19	60.5	20	80
ANAK0221	14x18	21	61.0	20	80
ANAK0222	14x18	22	62.0	20	80
ANAK0224	14x18	24	63.0	20	80
ANAK0227	14x18	27	69.0	20	80
ANAK0230	14x18	30	70.5	20	80
ANAK0232	14x18	32	72.0	10	40
ANAK0234	14x18	34	74.0	10	40
ANAK0236	14x18	36	74.0	10	40
ANAK0238	14x18	38	73.0	10	40
ANAK0241	14x18	41	80.5	5	20

Ratchet Head

- Chrome molybdenum steel ratchet head
- 14x18mm rectangular fitting
- For use with interchangeable head torque wrenches
- Safety spring pin locking mechanism ensures positive retention
- Quick-change design for fast and easy insertion
- Durable 48 teeth ratchet drive mechanism: Forward/ Lock/ Reverse (3-way)
- Quick release button ensures firm socket retention and easy socket removal



ITEM NO.	HEAD SIZE (mm)	DRIVE	L (mm)		
ANCL0216	14x18	1/2"	78.0	10	40

Spanner Head (Open End)

- CR-V / CR-MO



ITEM NO.	HEAD SIZE (mm)	SIZE (mm)	L (mm)		
ANAK0307	9x12	7	36.5	25	100
ANAK0308	9x12	8	37.0	25	100
ANAK0309	9x12	9	37.0	25	100
ANAK0310	9x12	10	38.0	25	100
ANAK0311	9x12	11	38.0	25	100
ANAK0312	9x12	12	38.5	25	100
ANAK0313	9x12	13	41.5	25	100
ANAK0314	9x12	14	42.0	25	100
ANAK0315	9x12	15	42.5	20	80
ANAK0316	9x12	16	42.5	20	80
ANAK0317	9x12	17	43.0	20	80
ANAK0318	9x12	18	45.0	20	80
ANAK0319	9x12	19	46.0	20	80
ANAK0113	14x18	13	62.5	20	80
ANAK0114	14x18	14	63.0	20	80
ANAK0115	14x18	15	63.5	20	80
ANAK0116	14x18	16	64.0	20	80
ANAK0117	14x18	17	64.0	20	80
ANAK0118	14x18	18	64.5	20	80
ANAK0119	14x18	19	64.5	20	80
ANAK0121	14x18	21	66.0	10	40
ANAK0122	14x18	22	66.5	10	40
ANAK0124	14x18	24	67.0	10	40
ANAK0126	14x18	26	70.5	10	40
ANAK0127	14x18	27	70.5	10	40
ANAK0129	14x18	29	73.5	10	40
ANAK0130	14x18	30	73.5	10	40
ANAK0132	14x18	32	76.0	10	40
ANAK0134	14x18	34	82.0	10	40
ANAK0136	14x18	36	82.0	10	40
ANAK0138	14x18	38	82.0	10	40
ANAK0141	14x18	41	83.0	5	20
ANAK0146	14x18	46	86.0	5	20
ANAK0148	14x18	48	97.0	5	20
ANAK0150	14x18	50	97.0	5	20
ANAK0155	14x18	55	97.0	5	20

Ratchet Head

- CR-MO
- 24 teeth



ITEM NO.	HEAD SIZE (mm)	DRIVE	L (mm)		
ANAL0412	9x12	3/8"	55.5	25	100
ANAL0216	14x18	1/2"	78.0	10	40
ANAL0116	14x18	1/2"	93.5	10	40



Spanner Head (Ring End)

- CR-V / CR-MO



ITEM NO.	HEAD SIZE (mm)	SIZE (mm)	L (mm)		
ANAR0307	9x12	7	40.0	20	80
ANAR0308	9x12	8	40.0	20	80
ANAR0309	9x12	9	42.0	20	80
ANAR0310	9x12	10	42.0	20	80
ANAR0311	9x12	11	43.5	20	80
ANAR0312	9x12	12	43.5	20	80
ANAR0313	9x12	13	47.0	20	80
ANAR0314	9x12	14	47.0	20	80
ANAR0113	14x18	13	70.0	20	80
ANAR0114	14x18	14	70.0	20	80
ANAR0115	14x18	15	70.0	20	80
ANAR0116	14x18	16	70.0	20	80
ANAR0117	14x18	17	70.0	20	80
ANAR0119	14x18	19	72.0	15	60
ANAR0122	14x18	22	74.0	10	40
ANAR0124	14x18	24	75.5	10	40
ANAR0126	14x18	26	75.5	10	40
ANAR0127	14x18	27	79.0	10	40
ANAR0129	14x18	29	82.0	10	40
ANAR0130	14x18	30	82.0	10	40
ANAR0132	14x18	32	83.5	10	40
ANAR0134	14x18	34	82.5	10	40
ANAR0136	14x18	36	82.5	10	40
ANAR0141	14x18	41	85.5	10	40

1/2" DR. Torque Wrench



- Tolerance of torque accuracy $\pm 4\%$ CW
- Tested and certified according to DIN EN ISO 6789, DIN 3122

ITEM NO.	CAPACITY	L(mm)	32 Gears
ANAC1607	65Ft-LB/88 Nm	578	12
ANAC1608	80Ft-LB/108 Nm	578	12
ANAC1610	100Ft-LB/135 Nm	578	12
ANAC1612	120Ft-LB/163 Nm	578	12
ANAC1614	140Ft-LB/190 Nm	578	12

2PCS 1/4" DR. Torque Screwdriver Set

- Easy to read window scale
- Clockwise operation device
- 1/4" square driver head for sockets, bit holders and other accessories
- Micrometer scale graduation: 0.5 Nm
- Actuation accuracy: $\pm 6\%$ tolerance of the set scale value
- Test certificate in accordance with DIN EN ISO 6789 national standard



ITEM NO.	CONTENTS	30 (SET)
GCAI0201	1 ANAD0808 1/4" Dr. Torque Screwdriver 1-8 Nm (L=154mm) 1 FTAB0808 1/4" Dr. x 1/4" (H) Quick Change Bit Holder (L=25mm) BLOW CASE: W200 x D68 x H57 (mm)	

2PCS 1/4" Hex Drive Torque Screwdriver Set

- Reduced weight and size specifically designed for low torque application
- Clockwise operation device
- Easy to read window scale
- 1/4" female hexagon drive for use with 1/4" hexagon bits
- 1/4" female square drive at the end of handle allows to be driven with sliding T-handles and other accessories
- Micrometer scale graduation: 0.1 Nm
- Actuation accuracy: $\pm 6\%$ tolerance of the set scale value
- Test certificate in accordance with DIN EN ISO 6789 national standard



ITEM NO.	CONTENTS	30 (SET)
GCAI0202	1 ANBD0808 1/4" Hex Drive Torque Screwdriver 1.5-8 Nm (L=162mm) 1 CTCK0811 1/4" Dr. Sliding T-Handle (L=115mm) BLOW CASE: W200 x D68 x H57 (mm)	

1/4" Hex Drive Torque Screwdriver

- Clockwise and counterclockwise operation device
- 1/4" female hexagon drive for use with 1/4" hexagon bits
- Actuation accuracy: $\pm 6\%$ tolerance of the set scale value
- Test certificate in accordance with DIN ISO 6789 national standard
- Ergonomically designed anti-slip grip handle



ITEM NO.	CAPACITY	1 ON FINE SCALE	L (mm)	24
ANCD081B	10-120 cNm	1 cNm	180	24
ANCD0806	1-6 Nm	0.1 Nm	200	24

Professional Grade Torque Tester (Calibrator)

- Ideal instrument for calibration and verification of various type of torque wrenches
- High precision, high resolution and large LCD display
- Applicable for torque wrenches of different lengths
- Manual measurement error can be reduced by handwheel operation
- Double-layer aluminum alloy structure stand
- Measurement unit: Nm, Ft-Lb, In-Lb, Kg-cm
- Torque reading accuracy: $\pm 0.5\%$
- Tested according to DIN EN ISO 6789



ITEM NO.	IEA040400
TECHNICAL SPECIFICATION	
Calibration Range	40-400 Nm
Display	5 alphanumeric digits max.
Accuracy	$\pm 0.5\%$
Units of Measurement	Nm, Ft-Lb, In-Lb, Kg-cm
Operating Temperature	+5°C ~ +40°C
Storage Temperature	0°C ~ +50°C
Operating Humidity	25-85 % RH
Power Supply	90-260 V.A.C. at 50/60 Hz.
Power Consumption	Less than 1.5 Watt
Power Cable	1.8 Meter
Base Material	Anodized Aluminum Alloy
Dimension	850(L)x650(W)x450(H) mm
PC Connection	RS 232
Net Weight	38.2Kg

* Includes 3 Test Drive Adapter: 3/8", 1/2" & 3/4" SQ. Drive

DIGITAL TORQUE TESTER



- Torque reading accuracy: $\pm 1\%$ or ± 3 digit accuracy
- Operating Mode: Peak Hold Mode / Track Mode / First Peak Mode
- Preset torque test value and tolerance percentage
- Torque setting alarm buzzer and LED light indicator
- Large LCD display for clear reading of the values
- Torque tester supplied with DIN EN ISO 6789 calibration certificate



- IEB007068 include 3/8" (M) x 1/4" (F) adapter
- IEB035350 include 1/2" (M) x 3/8" (F) adapter



• IEB100A00



Torque Accuracy	$\pm 1\%$ or ± 3 digit accuracy
Operating Mode	Peak Hold Mode / Track Mode / First Peak Mode
Units of Measurement	Nm, Ft-Lb, In-Lb, Kg-cm
Operating Mechanism	Clockwise only
Operation Temperature	+5°C ~ +40°C
Storage Temperature	-20°C ~ +70°C
Humidity	Up to 90% non-condensing
Power Supply (AC/DC Adapter)	AC 100-240V at 50-60Hz input DC 12V 1A output
Bright LED	6 LEDs
PC Connection	USB cable
Dimension	162(L) x 144(W) x 91(H)

• IEB100A00 provides Nm, Ft-Lb measurement only



Digital Torque Tester

ITEM NO.	DRIVE	(Nm)	(Ft-Lb)	(In-Lb)	(Kg-cm)	2
IEB007068	1/4" Dr. & 3/8" Dr. (F)	6.80-68.00	5.01-50.10	60.2-602.0	69.4-694.0	2
IEB035350	3/8" Dr. & 1/2" Dr. (F)	35.0-350.0	25.8-258.1	310-3097	357-3571	2
IEB100A00	27mm Hex. (M)	100-1000	74-738	-	-	2

BLOW CASE: W400 x D320 x H150 (mm)

Torque Multiplier

- Chrome Molybdenum Alloy Steel
- Gear Ratio - 1:3 Torque Ratio - 1:3
- Tolerance of torque accuracy $\pm 6\%$

DIN3122

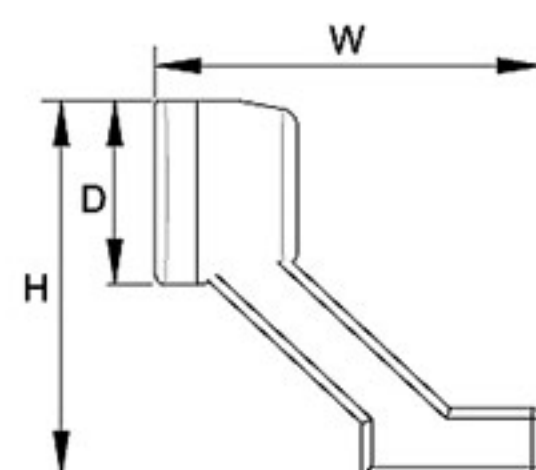


ITEM NO.	SIZE (CAPACITY)		
ANAE1624	Torque Multiplier 1/2" (F) x 3/4" (M) Input (Max.): 500Nm / 365Ft-Lb Output (Max.): 1500Nm / 1100Ft-Lb	1	4
ANAE2432	Torque Multiplier 3/4" (F) x 1" (M) Input (Max.): 1000Nm / 730Ft-Lb Output (Max.): 3000Nm / 2200Ft-Lb	1	4

BLOW CASE: W426 x D208 x H105 (mm)

Reaction Arm

- Chrome Molybdenum Alloy Steel
- Accessory kits for ANAE series only



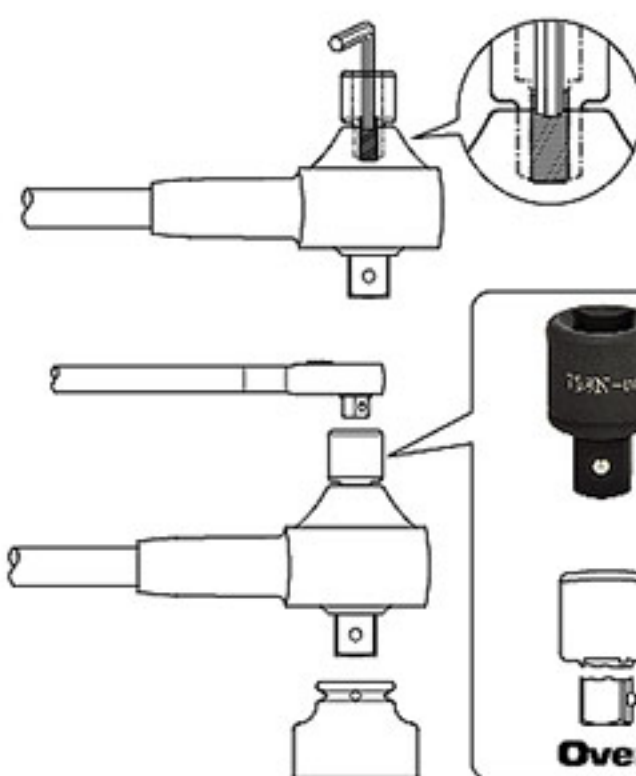
ITEM NO.	SIZE (W)x(D)x(H)mm	Application		
ALAE162414	115x55x117	ANAE1624	2	16
ALAE243214	150x72x155	ANAE2432	2	8

5PCS Torque Multiplier Set

- Gear Ratio - 1:4 Torque Ratio - 1:3.3
- Tolerance of torque accuracy $\pm 10\%$



Use the attached hex key to fix the adapter to the torque multiplier square opening/female drive. (tightening the screw inside the square opening)



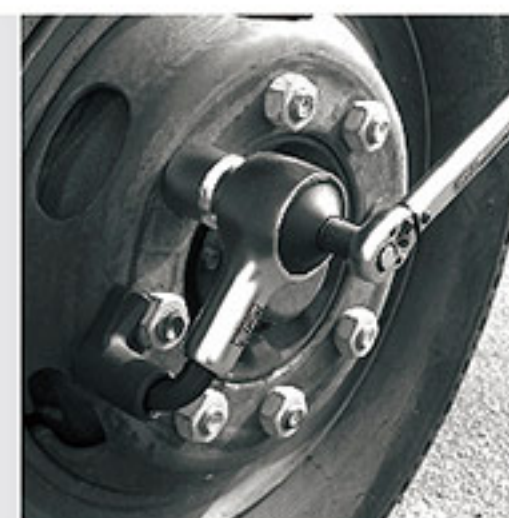
Safety Break-Away Adapter

The safety break-away adapter is inserted into the square opening of the torque multiplier. In case of an overload, the adapter will break first instead of cause a damage directly to the torque multiplier.

Crack!
Overload



90° reaction arm can be adjusted in the reaction base to accommodate both standard or deep sockets.



ITEM NO.	CONTENTS	
ANBE2432	1 Torque Multiplier 3/4" (F) x 1" (M) Input (Max.): 758Nm / 560Ft-Lb Output (Max.): 2500Nm / 1845Ft-Lb 1 Reaction Arm 1 Safety Break-Away Adapter 1 90° Reaction Arm 1 90° Reaction Base	2 (SET)

BLOW CASE: W400 x D260 x H110 (mm)

2PCS Torque Multiplier Set

- Chrome Molybdenum Alloy Steel
- High-efficiency planetary gear sets achieve high output torque from low input torque
- Gear Ratio - 1:12.8 Torque Ratio - 1:10
- Tolerance of torque accuracy $\pm 6\%$
- Bar type design for easy access in confined spaces
- Applications: Industry, construction sites, car and truck garages, agricultural technology, bridge, aircraft and railway construction, shipbuilding, refineries and etc.



ITEM NO.	CONTENTS	
ANCE1624	1 Torque Multiplier 1/2" (F) x 3/4" (M) Input (Max.): 150Nm / 110Ft-Lb Output (Max.): 1500Nm / 1100Ft-Lb 1 Reaction Arm	4 (SET)

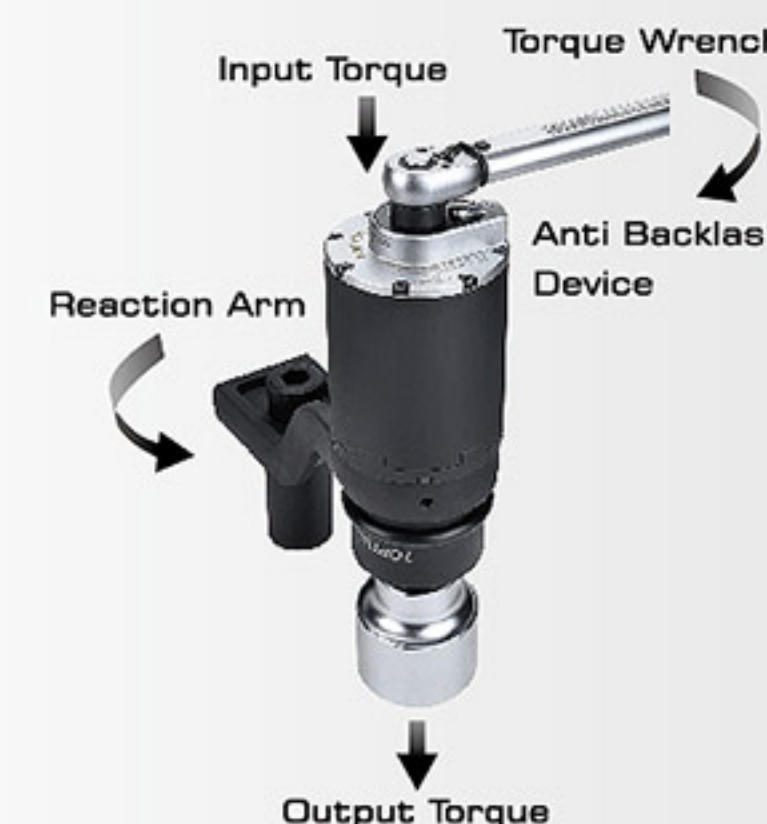
BLOW CASE: W355 x D165 x H83 (mm)

5PCS Torque Multiplier Set

- Chrome Molybdenum Alloy Steel
- High-efficiency planetary gear sets achieve high output torque from low input torque
- Gear Ratio - 1:12.8 Torque Ratio - 1:10
- Tolerance of torque accuracy $\pm 6\%$
- Special anti backlash device can prevent incidental reverse force during operation
- Bar type design for easy access in confined spaces
- Applications: Industry, construction sites, car and truck garages, agricultural technology, bridge, aircraft and railway construction, shipbuilding, refineries and etc.



• Anti Backlash Device



ITEM NO.	CONTENTS	
ANCE1648	1 Torque Multiplier 1/2" (F) x 1-1/2" (M) Input (Max.): 400Nm / 300Ft-Lb Output (Max.): 4000Nm / 3000Ft-Lb 1 Reaction Arm 1 Support Stand 1 Screw 1 Adapter 1-1/2" (F) x 1" (M)	1 (SET)

BLOW CASE: W358 x D315 x H130 (mm)

3PCS Industrial Torque Multiplier Set

- Chrome Molybdenum Alloy Steel
- High-efficiency planetary gear sets achieve high output torque from low input torque
- Additional safety break-away adapter to prevent direct damages to multiplier in case of overload
- Special anti backlash device can prevent incidental reverse force during operation
- Gear Ratio - 1:5.5 Torque Ratio - 1:4.8
- Tolerance of torque accuracy $\pm 5\%$
- Applications: Industry, construction sites, car and truck garages, agricultural technology, bridge, aircraft and railway construction, shipbuilding, refineries and etc.



- Safety Break-Away Adapter will protect and prevent the torque multiplier from damages caused by an overload.



ITEM NO.	CONTENTS	
ANDE2448	1 Torque Multiplier 3/4" (F) x 1-1/2" (M) Input (Max.): 938Nm / 691Ft-Lb Output (Max.): 4500Nm / 3320Ft-Lb 2 Safety Break-Away Adapter	1 (SET)

BLOW CASE: W450 x D225 x H160 (mm)

1" DR. TORQUE MULTIPLIER SET

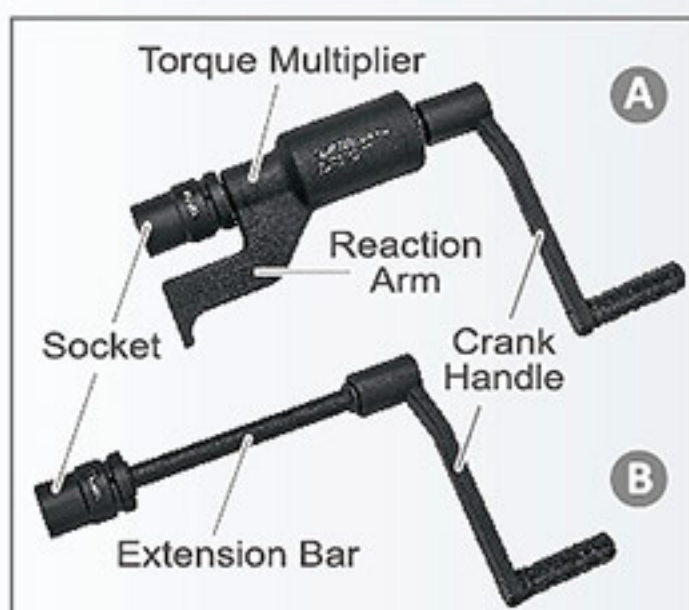
- Specifically designed tool to remove and install wheel nuts for trucks and heavy duty vehicles
- Torque Multiplier is made of high grade Chrome Molybdenum Alloy Steel
- High-efficiency planetary gear sets achieve high output torque from low input torque
- Suitable for 1" square drive sockets
- Gear Ratio - 1:64



- Use the extension bar to quickly turn the nut



- Easily remove highly torqued or stubborn wheel nuts



3PCS 1" DR. Torque Multiplier Set

- Set includes one Torque Multiplier, Crank Handle and Extension Bar
- Maximum Output Torque: 3200Nm



ITEM NO.	CONTENTS	2 (SET)
ANEE3232	1 Torque Multiplier 1" (M) x 1" (M) Output (Max.): 3200Nm / 2360Ft-Lb 1 Extension Bar 1 Crank Handle	
BLOW CASE: W370 x D200 x H130 (mm)		

3PCS 1" DR. Torque Multiplier Set

- Set includes one Torque Multiplier, Crank Handle and Extension Bar
- Maximum Output Torque: 4700Nm



ITEM NO.	CONTENTS	2 (SET)
ANEE3247	1 Torque Multiplier 1" (M) x 1" (M) Output (Max.): 4700Nm / 3467Ft-Lb 1 Extension Bar 1 Crank Handle	
BLOW CASE: W370 x D200 x H130 (mm)		

5PCS 1" DR. Torque Multiplier Set

- Set includes one Torque Multiplier, Crank Handle, Extension Bar and two 6PT Flank Thin Wall Impact Sockets (30 & 32 mm)
- Maximum Output Torque: 4700Nm



ITEM NO.	CONTENTS	2 (SET)
GAAI0501	1 Torque Multiplier 1" (M) x 1" (M) Output (Max.): 4700Nm / 3467Ft-Lb 1 Extension Bar 1 Crank Handle 2 KABU3230 & 3232 1" DR. 6PT Flank Thin Wall Impact Sockets - 30 & 32 mm	
BLOW CASE: W370 x D200 x H130 (mm)		

5PCS 1" DR. Torque Multiplier Set

- Set includes one Torque Multiplier, Crank Handle, Extension Bar and two 6PT Flank Thin Wall Impact Sockets (32 & 33 mm)
- Maximum Output Torque: 4700Nm



ITEM NO.	CONTENTS	2 (SET)
GAAI0502	1 Torque Multiplier 1" (M) x 1" (M) Output (Max.): 4700Nm / 3467Ft-Lb 1 Extension Bar 1 Crank Handle 2 KABU3232 & 3233 1" DR. 6PT Flank Thin Wall Impact Sockets - 32 & 33 mm	
BLOW CASE: W370 x D200 x H130 (mm)		

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