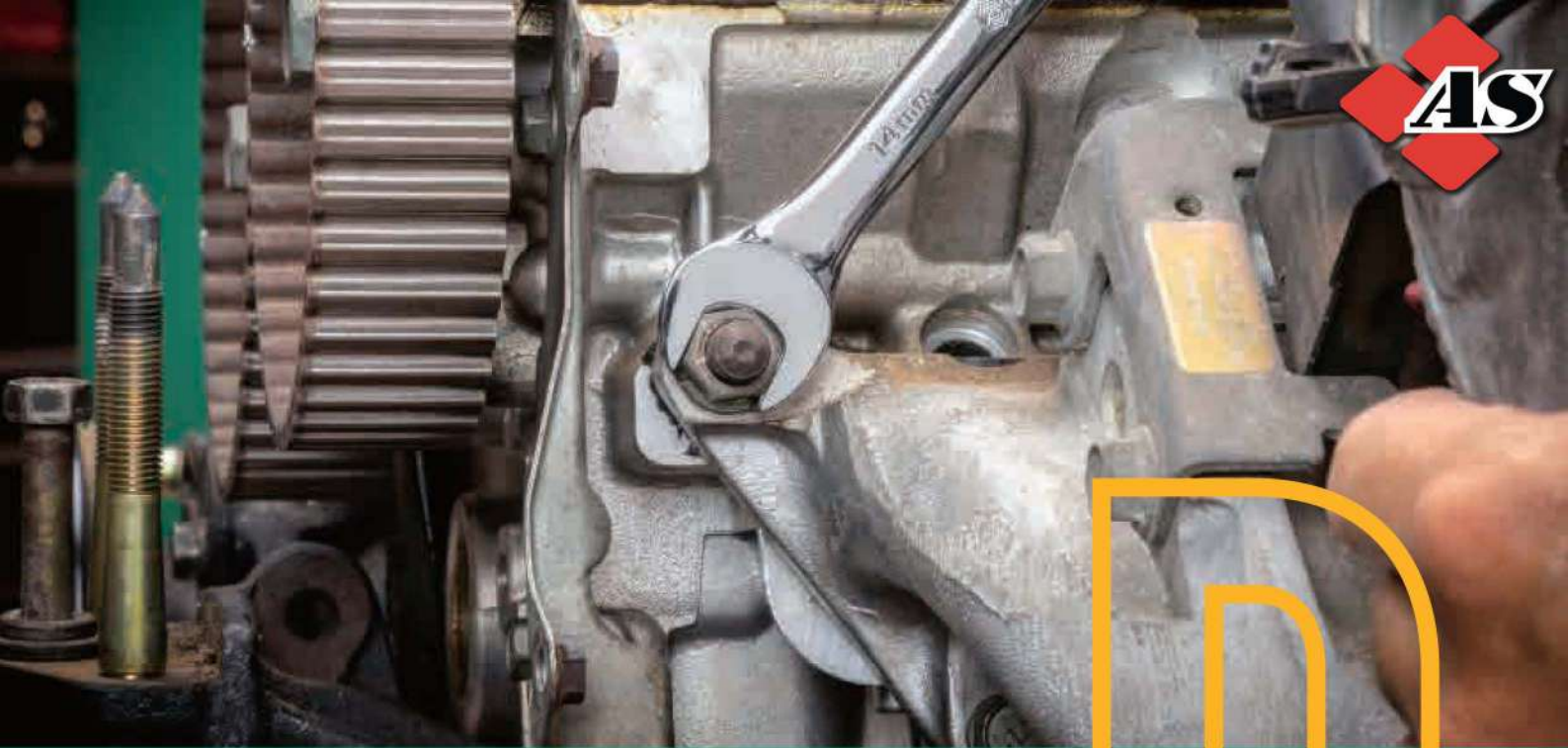




Wrench

Wrench Set	48-50	Double Open End Wrench	53-54
X-Shank Wrench	51	Double Box Wrench	53-54
Adjustable Wrench	50-51	Torx® Key Wrench	54
Reversible Ratcheting Wrench	51	Nut Wrench	54
Flex Ratcheting Wrench	51-52	Socket & Open End Wrench	54
Combination Wrench	52	Construction Ratcheting Wrench	54
Double Box Ratcheting Wrench	52-53	T-shape Socket	55
Combination Wrench	53	Tapping Wrench	55



08007A 8Pc. Combination Double Ratcheting Wrench

No.	Contents			
08007A	8, 10, 12, 13, 14, 15, 17, 19 mm	0	12	12.2

▲ Warranty terms of tool set comply with the individual product.



08008 8Pc. Combination Ratcheting Wrench Set

No.	Contents			
08008	8, 10, 12, 13, 14, 15, 17, 19mm	2	8	10.4



08009 8Pc. Open End Wrench Set

No.	Spec. (mm)	No.	Spec. (mm)
41216	5.5×7	41206	14×17
41202	8×10	41207	17×19
41203	10×12	41215	19×22
41205	12×14	41210	22×24

No.			
08009	2	8	10



08010 10Pc. Open End Wrench Set

No.	Spec. (mm)	No.	Spec. (mm)
41216	5.5×7	41206	14×17
41202	8×10	41207	17×19
41217	9×11	41215	19×22
41203	10×12	41212	24×27
41205	12×14	41213	30×32

No.			
08010	2	6	12.7



08012 11Pc. Box End Wrench Set

No.	Spec. (mm)	No.	Spec. (mm)
42221	5.5×7	42206	17×19
42201	8×10	42219	16×18
42222	9×11	42220	19×22
42202	10×12	42211	24×27
42204	12×14	42212	30×32
42205	14×17		

No.			
08012	2	6	16.1



08016 10Pc. X-Beam Combination Ratcheting Wrench Set

• Portable tray-type tool box for access in narrow spaces

No.	Contents			
08016	8,10,12,13,14,15,16,17,18,19	2	4	9.4



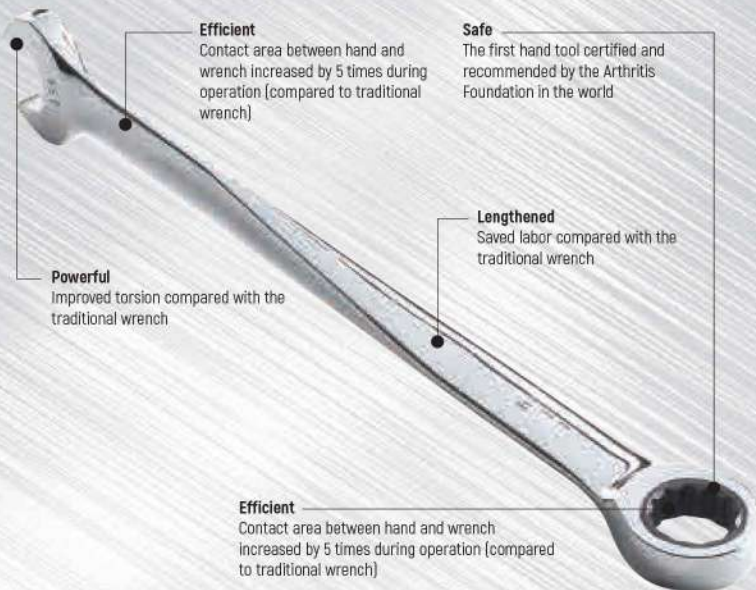
08018 17Pc. Offset Combination Wrench Set

No.	Contents			
08018	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22mm	1	4	11



08022 10Pc. Combination Wrench Set

No.	Contents			
08022	8, 10, 12, 13, 14, 15, 16, 17, 18, 19mm	2	12	15.7




08023 11Pc. Deep Offset Box End Wrench Set

No.	Contents			
08023	6"7, 8"9, 10"11, 12"13, 14"15, 16"17, 18"19, 20"22, 21"23, 24"27, 30"32mm	1	4	13.8


09023 7Pc. Combination Ratcheting Wrench Set

No.	Contents			
09023	5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"	3	6	8.3


09029 13Pc. Open End Wrench Set

No.	Contents			
09029	6"7, 8"10, 10"12, 11"13, 12"14, 14"17, 17"19, 19"21, 21"23, 22"24, 23"26, 24"27, 30"32mm	2	4	13


09017 6Pc. Combination Wrench Set, SAE

No.	Contents			
09017	5/16", 3/8", 7/16", 1/2", 9/16", 5/8"	3	18	8.8


09025 6Pc. Box End Ratcheting Wrench Set

No.	Contents			
09025	8"9mm, 10"11mm, 12"13mm, 14"15mm, 16"18mm, 17"19mm	3	6	7.9


09034 7Pc. Combination Ratcheting Stubby Wrench Set

No.	Contents			
09034	10, 12, 13, 14, 15, 17, 19mm	3	12	13.6


09019 9Pc. Combination Wrench Set, SAE

No.	Contents			
09019	1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"	3	18	16.4


09026 14Pc. Combination Wrench Set

No.	Contents			
09026	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 24mm	3	6	32.9


09040 12Pc. Combination Ratcheting Wrench Set

No.	Contents			
09040	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm	-	4	7.7


09021 11Pc. Combination Wrench Set, SAE

No.	Contents			
09021	1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8"	2	12	17.8


09027 23Pc. Combination Wrench Set

No.	Contents			
09027	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 30, 32mm	2	4	21.5


09041 8Pc. Reversible Ratcheting Wrench Set

No.	Contents			
09041	8, 10, 12, 13, 14, 15, 17, 18mm	3	12	16



09042 7Pc. Flex Ratcheting Wrench Set

No.	Contents			
09042	10, 12, 13, 14, 15, 17, 19mm	3	12	18.7



09064 11Pc Combination Wrench Set (Metric)

No.	Contents			
09064	8, 9, 10, 11, 12, 13, 14, 17, 19, 21, 24 mm	3	12	22.5



Wide Jaw Adjustable Wrench

No.	Spec.	Maximum opening(mm)	L(mm)			
47122	6"	27.5	163	6	72	12.7
47123	8"	34.5	212	3	48	13.8
47124	10"	36.5	262	2	36	17.7
47125	12"	41.5	310	1	24	17.5



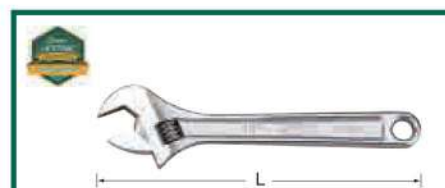
09043 7Pc. Extra Long Locking Flex Ratcheting Wrench Set

No.	Contents			
09043	10, 12, 13, 14, 15, 17, 19mm	6	12	16.6



09069 14Pc. Combination Wrench Set, SAE

No.	Contents			
09069	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		17.3



Adjustable Wrench

No.	Spec.	Maximum opening(mm)	L(mm)			
47201	4"	12.7		6	24	1.6
47202	6"	23.8		6	36	6.4
47203	8"	28.5		6	36	10.7
47204	10"	33.3		6	48	25.6
47205	12"	38.1		6	18	14.9
47206	15"	42.8		3	6	8.9
47207	18"	52.4		1	4	9.7
47208	24"	61.9		1	2	8.6



09044 3Pc Flex Head Socket Wrench Set

No.	Contents			
09044	8x10, 12x14, 17x19 mm	6	24	17.1

▲ Warranty terms of tool set comply with the individual product.



09070 7Pc Combination Wrench Set (Metric)

No.	Contents			
09070	8, 10, 12, 13, 14, 17, 19 mm	6	24	18.8



Locking Adjustable Wrench

Different from Common Wrenches:

- Locking device similar to a vise added
- Non-slip teeth in the opening part added
- Handle with anti-skid rubber

Product advantages:

- Suitable for handling slip nuts and rusty nuts in narrow spaces
- Plain top acting as small clamp

No.	Spec.	Maximum opening(mm)	L(mm)			
47213	8"	30	200	2	36	16.5
47214	10"	33	250	2	36	26



09062 14Pc Combination Wrench Set (Metric)

No.	Contents			
09062	10, 11, 12, 13, 14, 16, 17, 19, 21, 22, 24, 27, 30, 32 mm	1	4	20.5



09079 8Pc Combination Ratcheting Wrench Set

No.	Contents			
09079	8, 10, 11, 12, 13, 14, 17, 19 mm	0	5	8.3





47227 Aluminum Short Handle Adjustable Wrench 12"

- Short handle design to be convenient and practical in narrow spaces
- Aluminum alloy adapted to be easy to use
- Large opening designed for a wider clamping range

No.	Spec.	Maximum opening(mm)	L(mm)			
47227	12"	68	204	-	-	0.196

▲ Excluded from lifetime warranty terms.



Adjustable Wrench with Wide Jaw and Short Shank

- Made of Cr-V
- Short handle for operation in narrow space
- Chrome-plated surface for rust protection

No.	Spec.	Maximum opening(mm)	L(mm)			
47232	6"	24	118	6	120	12.5
47233	8"	30	142	6	96	16.5
47234	10"	35	159	6	60	16.5
47235	12"	42	205	6	36	18



Dipping Handle Adjustable Wrench

- Pearl nickel plated surface for corrosion resistance and aesthetics
- Injection-moulded handle for firm holding
- Laser scale indicator, making opening size more intuitive
- CNC machine tool processing with more smooth operation
- Special heat treatment for the head, with higher strength and wear resistance

No.	Spec.	Maximum opening(mm)	L(mm)			
47248	4"	12.8	8	240	14.5	
47249	6"	19.2	6	144	20.4	
47250	8"	24	6	72	19.7	
47251	10"	28	6	48	21.1	
47252	12"	34	4	24	17.3	
47253	15"	43	2	12	16.5	
47254	18"	52.4	2	8	18.8	
47255	24"	62	1	6	19.8	

▲ Excluded from lifetime warranty terms.



X-Beam Combination Wrench

- Lengthened design, with labor saved and higher torque output
- High efficiency with increased contact area between hand and wrench during operation (compared to traditional wrench)

No.	Spec. (mm)			
40281	8	6	96	4.6
40282	9	6	96	5.3
40283	10	6	36	2.3
40284	11	6	96	8.1
40285	12	6	36	3.5
40286	13	6	36	3.8
40287	14	6	36	5.1
40288	15	6	72	11.9
40289	16	6	36	6.3
40290	17	6	36	8
40291	18	6	36	8.5
40292	19	6	36	9.7



X-Beam Combination Ratcheting Wrench

- Lengthened design, with labor saved and higher torque output
- High efficiency with increased contact area between hand and wrench during operation (compared to traditional wrench)

No.	Spec. (mm)			
46301	8	6	36	1.8
46302	9	6	36	2
46303	10	6	36	3
46304	11	6	36	3.8
46305	12	6	36	3.9
46306	13	6	36	4.8
46307	14	6	36	5.8
46308	15	6	72	13.2
46309	16	6	36	7.8
46310	17	6	36	8.9
46311	18	6	36	9.8
46312	19	6	36	12.4



Metric Reversible Ratcheting Wrenches

- To be turned with a gentle push, greatly improving work efficiency
- 15-degree inclination design facilitating operation
- Thin but exquisite design with fully polished surface

No.	Spec. (mm)	L(mm)	A(mm)			
46601	8	140	18	6	36	1.7
46602	9	150	19.6	6	36	2
46603	10	159	21.6	6	36	2.2
46604	11	165	23.5	6	36	2.8
46605	12	172	25	6	24	2.3
46606	13	178	27	6	24	2.5
46607	14	191	28.5	6	24	3.1
46608	15	200	31	6	24	3.6
46609	16	208	33	6	60	10
46610	17	226	34.5	6	60	12.4
46611	18	236	36	6	36	7.9
46612	19	248	37	6	36	8.6
46617	20	292	42	6	-	-
46613	21	292	42	6	36	12.5
46614	22	292	42	6	36	12.4
46615	24	334	49	6	36	18.9
46616	25	334	49	4	24	13



Metric Flex Head Ratcheting Wrenches

- Tip capable of rotating 180 degrees for use in narrow spaces
- Thin but exquisite design with fully polished surface

No.	Spec. (mm)	L(mm)	A(mm)			
46421	8	140	16	6	96	5.4
46422	9	149	17.5	6	36	2.4
46401	10	158	19	6	36	2.8
46402	11	165	20.5	6	36	3.3
46403	12	171	21.7	6	24	2.8
46404	13	178	23.6	6	24	3
46405	14	190	25.9	6	24	3.6
46406	15	199	26.7	6	24	4.4
46407	16	208	28.4	6	60	11.7
46408	17	225	30.5	6	60	13.7
46409	18	236	31.5	6	36	9.2
46410	19	248	32.5	6	36	10.6
46411	20	291	40	6	36	15.5
46412	21	291	40	6	36	15.1
46413	22	291	40	6	36	14.2
46414	24	333	45.5	6	36	21.5
46415	25	333	45.5	6	36	21.9



Metric XL Locking Flex Head Ratcheting Wrenches

- Box end with SATA drive structure to avoid nut slipping
- Locking slider:
- Sliding to left/right for locking/unlocking respectively
- Locking flex head capable of moving 180 degrees and locking 13 positions
- Adjustable hexagon nut retainer providing continuous tension to the head
- Open end with SATA driving technology to avoid nut slipping
- Capable of turning nut with only 5 degrees compared to 30 degrees with standard box wrench

No.	Spec. (mm)			
46801	8	6	72	5.4
46802	9	6	72	5.9
46803	10	6	72	7.3
46804	11	6	72	8
46805	12	6	72	10.1
46806	13	6	72	11.6
46807	14	6	72	13.5
46808	15	6	72	15.3
46809	16	6	36	9.2
46810	17	6	36	10.2
46811	18	6	36	11.4
46812	19	6	36	12.5
46813	20	6	24	13.1
46814	21	6	24	13.1
46815	22	6	24	14.2
46816	24	6	24	18.2
46817	25	6	24	18.1



Combination Ratcheting Wrench

No.	Spec. (mm)	L(mm)	A(mm)			
43220	5.5	126	17.8	6	36	1.3
43221	6	126	17.8	6	36	1.3
43222	7	133	17.8	6	36	1.5
43201	8	140	19	6	36	1.5
43202	9	150	19.7	6	36	1.8
43203	10	159	21.4	6	36	2.4
43204	11	165.5	23	6	36	2.9
43205	12	172	24.5	6	36	3.5
43206	13	178	26.5	6	36	3.9
43207	14	191	28.6	6	36	4.6
43208	15	200	30	6	36	5.6
43209	16	209	32	6	36	6.1
43210	17	226	33.5	6	36	7.1
43211	18	237	34.6	6	36	7.8
43212	19	248	37	6	36	9.1
43213	21	292	42	4	36	12.4
43214	22	292	42	4	36	12.3
43215	24	334	49	4	24	11.8
43216	25	334	49	4	36	12.7
43217	27	359	52.5	4	24	15.7
43218	30	402	58.5	2	12	10.8
43219	32	426	62	2	12	12.2
43223	34	460	64	2	2	2.4
43224	36	501	68.5	4	10	19.4
43225	41	579	73	3	6	16.8
43226	46	646	78	2	4	15.3
43227	50	656	82	2	4	16.9



Double Ratcheting Wrench

No.	Spec. (mm)	L(mm)	A(mm)			
43601	5.5	126	17.8	6	96	4
43602	6	126	17.8	6	96	4
43603	7	133	17.8	6	96	4.5
43604	8	140	19	6	96	5.1
43605	9	150	19.7	6	96	5.8
43606	10	159	21.4	6	96	6.9
43607	11	165.5	23	6	36	3.2
43608	12	172	24.5	6	36	3.8
43609	13	178	26.5	6	36	4.1
43610	14	191	28.6	6	36	4.8
43611	15	200	30	6	36	5.8
43612	16	209	32	6	36	6.2
43613	17	226	33.5	6	36	7.7
43614	18	237	34.6	6	36	8.6
43615	19	248	37	6	36	9.4
43616	21	292	42	4	24	8.3
43617	22	292	42	4	24	8.9
43618	24	334	49	4	16	8.3
43619	25	334	49	4	16	8.1



Metric Ratcheting Wrench Socket Adapters with Quick Release

No.	Spec.	L(mm)			
46654	1/4"	10	6	-	-
46655	3/8"	13	6	-	-
46656	1/2"	19	6	-	-



Combination Ratcheting Wrench

No.	Spec.	L(mm)	A(mm)			
43101	5/16"	140	19	6	36	1.5
43102	3/8"	159	21.4	6	36	2.4
43103	7/16"	165.5	23	6	-	-
43104	1/2"	178	26.5	6	36	4.1
43105	9/16"	191	28.6	4	36	4.5
43106	5/8"	209	32	4	36	6
43107	11/16"	226	33.5	4	50	11.6
43108	3/4"	248	37	4	36	8.8



Deep Offset Box End Wrench

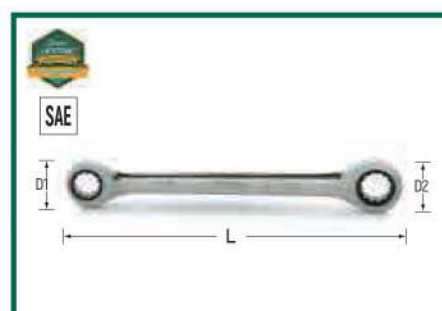
- 70-Degree Deep Offset Double Box End Wrench
- Made of Cr-V with heat treatment and electroplating process

No.	Spec. (mm)			
42301	6x7	6	96	5
42302	8x9	6	96	6
42303	10x11	6	96	8.8
42304	12x13	6	96	11.2
42305	14x15	6	72	11
42306	16x17	4	48	9.9
42307	18x19	6	72	19.1
42309	20x22	4	48	17.9
42310	21x23	4	48	19.5
42312	24x27	4	24	12.6
42315	30x32	4	24	18.8



Combination Ratcheting Stubby Wrench

No.	Spec.	L(mm)	A(mm)			
43301	10	94.8	21.4	6	36	2
43302	11	103	24.2	6	-	-
43303	12	105.8	25.5	6	36	2.8
43304	13	108	28	6	36	3.3
43305	14	115	29	6	36	3.9
43306	15	119	31.3	6	36	4.5
43307	16	123	33.4	6	36	5.1
43308	17	127	35.3	6	36	5.9
43309	18	131	36.4	6	36	6.6
43310	19	139	37.5	6	24	4.7



Box End Ratcheting Wrench

No.	Spec. (mm)	L(mm)	D1(mm)	D2(mm)			
46101	5/16"x3/8"	131	18.5	21.8	6	-	-
46102	7/16"x1/2"	161	23.5	26.5	6	36	3.2
46103	9/16"x5/8"	191	28.5	32.5	6	36	4.9
46104	11/16"x3/4"	231	34.5	36.5	6	36	6.9



46657 Bit Adaptor for 3/8" Ratcheting Wrench

No.	Output end	Driving end			
46657	1/4"	3/8"	6	-	-



Box End Ratcheting Wrench

No.	Spec. (mm)	L(mm)	D1(mm)	D2(mm)			
46201	8x9	131	18	19.5	6	36	1.6
46200	8x10	131	18.5	21.8	6	96	4.8
46202	10x11	151	21.8	23.5	6	36	2.5
46203	12x13	171	25	26.5	6	36	3.4
46204	14x15	191	28.5	30.5	6	36	4.7
46205	16x18	211	32.5	35.5	6	36	6.3
46206	17x19	231	34.5	36.6	6	36	36
46207	22x24	292	42	49	6	24	10.8
46208	27x30	350	52.5	58.5	6	24	19.3
46209	32x34	409	61.5	63.5	6	12	14.1



4-in-1 Double Box Ratcheting Wrench Set

No.	Spec. (mm)	L(mm)	D1(mm)	D2(mm)			
46621	8X10X12X13	160	22.2	27.1	36	-	-
46622	9X11X14X15	180	23.7	30.7	36	-	-
46623	16X17X18X19	230	35.0	37.0	36	-	-
46624	20X21X22X24	291	42.7	50.0	24	-	-



Open End Wrench

No.	Spec. (mm)	L(mm)	D1(mm)	D2(mm)			
41101	1/4"x5/16"	124.0	16.5	12.5	6	96	2.7
41102	3/8"x7/16"	150.0	23.0	20.8	6	36	1.6
41103	1/2"x9/16"	175.0	29.0	27.0	6	36	2.9
41104	5/8"x11/16"	201.0	35.5	33.4	6	36	4.9
41105	11/16"x3/4"	228.0	39.7	35.5	6	36	6.2
41106	13/16"x7/8"	254.0	46.0	43.8	4	24	3.3
41107	15/16"x1"	279.0	52.2	50.0	4	24	8.9
41108	1-1/8"x1-1/4"	310.0	66.8	62.0	4	24	15.4



Combination Wrench

No.	Spec. (mm)	L(mm)	D1(mm)	D2(mm)			
40233	5.5	127	11.4	13	6	96	2.7
40201	6	127	11.4	13	6	96	2.4
40202	7	133	12.3	14.4	6	96	2.6
40203	8	140	13.6	16.5	6	96	3
40204	9	149	15	18.5	6	36	1.5
40205	10	159	16	20.5	6	36	1.9
40206	11	165	17.5	22.5	6	36	2.1
40207	12	171	18.5	25	6	36	2.4
40208	13	177	20	27	6	36	2.7
40209	14	190	21.5	29	6	36	3.4
40210	15	199	22.5	31	6	36	3.7
40211	16	208	24	33	6	36	4.5
40212	17	225	26	35	6	36	5
40213	18	237	26.6	37	6	36	6.1
40214	19	248	28	39	6	36	7.1
40215	20	265	30	42	4	24	5.8
40216	21	271	31	43	4	24	5.7
40217	22	293	32	45.3	4	24	8.4
40218	23	304	33	47.5	4	24	7.8
40219	24	316	34	49	4	24	9
40220	25	335	37.5	51	4	24	10.4
40221	27	359	39	55	4	24	12.4
40222	30	415	43	65	2	12	9.4
40223	32	426	46	66.5	2	12	10.1



Combination Wrench

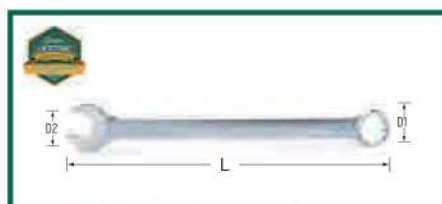
No.	Spec.	L(mm)	D1(mm)	D2(mm)			
40101	1/4"	127	11.4	13	6	96	2.4
40102	5/16"	140	13.6	16.5	6	96	3
40103	3/8"	159	16	20.5	6	36	1.9
40104	7/16"	165	17.5	22.5	6	36	2.2
40105	1/2"	177	20	27	6	36	2.6
40106	9/16"	190	21.5	29	6	36	3.3
40107	5/8"	208	24	33	6	36	4.3
40108	11/16"	225	26	35	6	36	5
40109	3/4"	248	28	39	6	36	7.1
40110	13/16"	271	31	43	4	24	6
40111	7/8"	293	32	45.3	4	24	7.8
40112	15/16"	316	34	49	4	24	9.1
40113	1"	335	37.5	51	4	16	7
40114	1-1/16"	359	39	55	4	16	8.4
40115	1-1/8"	402	42.8	63	2	12	8.9
40116	1-1/4"	426	26	35	2	12	10.3



Offset Combination Wrench

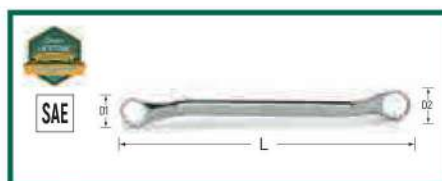
- Made of Cr-V with heat treatment and fully-polished electroplating process
- Box end with 55-degree inclination for use at special station

No.	Spec. (mm)			
40331	6	6	96	2.5
40332	7	6	96	2.8
40333	8	6	96	3.8
40334	9	6	96	4.4
40335	10	6	96	5.6
40336	11	6	96	6
40337	12	6	96	7.3
40338	13	6	96	8.9
40339	14	6	96	10.3
40340	15	6	96	12.1
40341	16	6	96	14.1
40342	17	6	72	12.3
40343	18	6	72	15
40344	19	4	48	11.8
40345	20	4	48	13.3
40346	21	4	48	14.8
40347	22	4	48	17.2



Matte Finished Combination Wrench

No.	Spec. (mm)	L(mm)	D1(mm)	D2(mm)			
40241	34	476	50	71	2	2	2.6
40242	35	476	50	71	2	2	2.5
40243	36	501	55.5	79	2	2	3.5
40244	38	501	55.5	79	2	2	3.6
40245	41	578	61	86.5	2	2	4.6
40246	42	578	61	86.5	2	2	4.6
40248	46	615	65.5	93	2	2	5.4
40249	48	654	74.4	100	2	2	7
40250	50	654	74.4	100	2	2	6.7
40251	56	670	80	109	2	2	7.9
40252	60	692	87	120	2	2	10.5



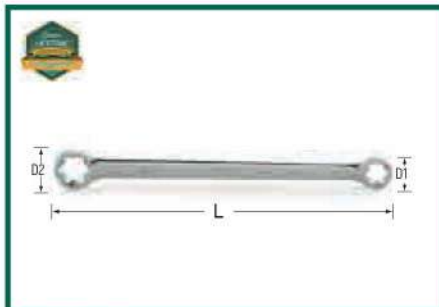
Box End Wrench

No.	Spec.	L(mm)	D1(mm)	D2(mm)			
42101	3/8"x7/16"	196	16.2	18.4	6	36	3.4
42102	1/2"x9/16"	220	19.8	21.8	6	36	4.3
42104	11/16"x3/4"	250	26.6	27.7	6	36	6.5
42105	13/16"x7/8"	290	30.5	33	6	24	7.4
42106	7/8"x15/16"	320	32	34	6	24	8.9
42107	15/16"x1"	360	34	39	4	24	10.9



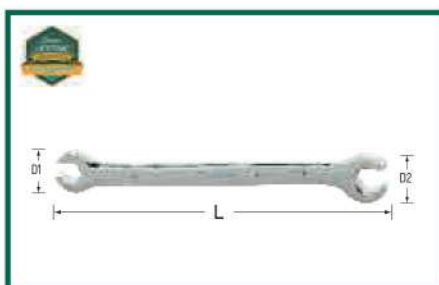
Open End Wrench

No.	Spec. (mm)	L(mm)	D1(mm)	D2(mm)			
41216	5.5×7	124	16.5	12.5	6	96	2.5
41201	6×7	124	16.5	12.5	6	96	2.5
41202	8×10	150	20.8	16.5	6	36	1.7
41217	9×11	150	23	20.8	6	36	1.6
41203	10×12	163	25	20.8	6	36	2.2
41204	11×13	175	27	23	6	36	2.4
41205	12×14	187	29	25	6	36	3.2
41218	13×15	182	33.4	27	6	36	3.8
41219	13×16	182	33.4	27	6	36	3.7
41206	14×17	201	35.5	29	6	36	4.4
41214	16×18	201	35.5	33.4	6	36	5.2
41207	17×19	228	39.7	35.5	6	36	6.2
41208	19×21	240	43.8	39.7	4	24	5.7
41215	19×22	254	46	43.8	4	24	6.4
41209	21×23	262	48	43.8	4	24	7
41210	22×24	285	50	46	4	24	8.3
41211	23×26	300	54.3	48	4	24	10.1
41212	24×27	300	54.3	48	4	24	10
41220	27×30	290	62.5	56.4	4	24	15.5
41213	30×32	333	66.8	62	4	24	15.9
41221	30×34	329	69.7	66.8	4	24	19.5
41222	32×34	329	69.7	66.8	4	24	19.1
41223	34×36	341	75.5	70	4	24	24.9



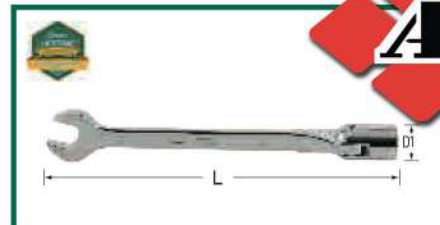
Torx® Wrench

No.	Spec.	D1(mm)	D2(mm)			
45201	E6×E8	12.2	10	6	96	2.3
45202	E10×E12	15.5	13.5	6	96	3.9
45203	E14×E18	22	17.7	6	36	3
45204	E20×E24	28.6	25	6	-	-



Metric Flare Nut Wrenches

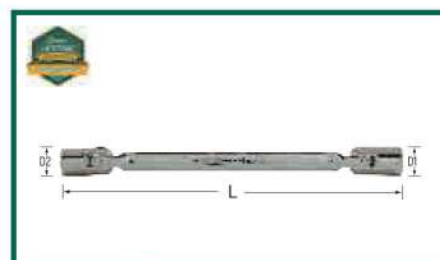
No.	Spec. (mm)	L(mm)	D1(mm)	D2(mm)			
48200	8×10	140	17.3	21	6	36	2.1
48201	9×11	152	19.4	22.2	6	36	2.7
48204	10×12	166	21	23.4	6	36	3.6
48202	13×14	178	24.9	26.1	6	36	4.3
48203	16×17	193	27.5	30.5	6	36	6.3



Metric Flex Head Socket Wrench

• Made of Cr-V for use in narrow spaces

No.	Spec. (mm)	D1(mm)	D2(mm)			
47601	10	180	14.7	12	72	6.7
47602	12	191	17.7	12	72	8.9
47603	13	207	18.7	12	72	11
47604	14	224	19.8	12	72	13.8
47605	17	233	23.8	6	48	12.3
47606	19	250	25.8	6	48	14.6



Metric Double Flex Head Socket Wrenches

No.	Spec. (mm)	L(mm)	D1(mm)	D2(mm)			
47501	8×9	183	14	12.7	6	48	5.2
47502	10×11	197	15.8	14.7	6	48	6.4
47503	12×13	211	17.4	16.2	6	48	9.2
47504	14×15	240	21.9	19.8	6	36	9.4
47505	16×17	256	24	23.9	6	36	12.1
47506	18×19	272	27	26.9	6	36	14.9



Metric Offset Double Box End Wrenches

No.	Spec. (mm)	L(mm)	D1(mm)	D2(mm)			
42221	5.5×7	165	11.3	13.5	6	36	1.8
42213	6×7	165	11.3	13.5	6	36	1.8
42201	8×10	185	14	16	6	36	2.5
42222	9×11	195	16.2	18.4	6	36	3.3
42202	10×12	196	16.2	18.4	6	36	3
42203	11×13	205	18.4	20.7	6	36	4
42204	12×14	220	19.8	21.8	6	36	4.2
42223	13×15	235	22.5	24.8	6	36	5.4
42224	13×16	235	22.5	24.8	6	36	5.4
42205	14×17	235	22.7	25.7	6	36	5.8
42219	16×18	250	26.6	27.7	6	36	7
42206	17×19	250	26.6	27.7	6	36	7
42207	19×21	270	28	32	4	24	6.1
42220	19×22	270	28	32	4	36	9.1
42208	21×23	290	30.5	33	4	24	7.3
42209	22×24	320	32	34	4	24	8.5
42210	23×26	360	34	39	4	24	11.5
42211	24×27	360	34	39	4	24	10.6
42225	27×30	390	39	42.8	4	24	16.8
42212	30×32	420	42.8	46.3	4	24	20



Full Polish Flare Nut Wrenches

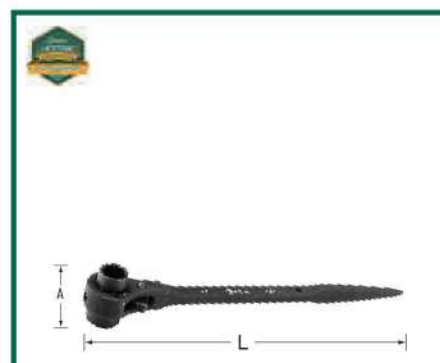
No.	Spec.	L(mm)			
48301	3/8"×7/16"	152	6	-	-
48302	1/2"×9/16"	178	6	-	-
48303	5/8"×11/16"	193	6	-	-



Metric Stubby Combination Wrenches

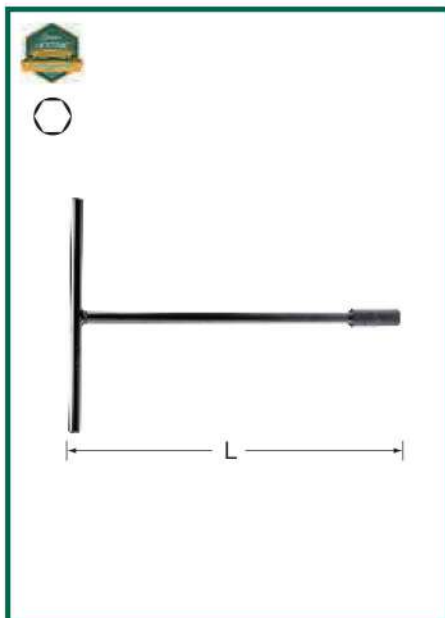
• Made of Cr-V for use in narrow spaces

No.	Spec. (mm)	L(mm)	D1(mm)	D2(mm)			
49201	10	95.5	16	20.5	6	96	5.3
49202	11	103	17.5	22.6	6	96	5.3
49203	12	106.5	18.5	24.6	6	96	6
49204	13	108.5	20	26.7	6	36	2.7
49205	14	115.5	21.5	29	6	36	3.3
49208	17	127.5	26	35	6	36	4.5
49210	19	139.5	28	39.5	4	24	4.3



Metric Construction Ratcheting Wrenches

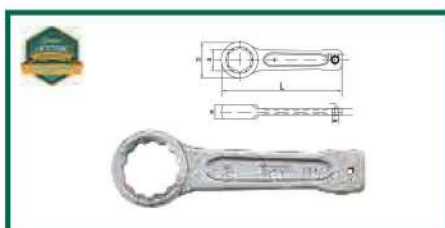
No.	Spec. (mm)	L(mm)	A(mm)			
47305	12×14	225	35	2	36	9.4
47308	14×17	270	45	2	36	12.8
47309	17×19	305	53	2	36	18.4
47310	17×21	310	50	2	36	18.6
47312	19×21	310	50	2	36	18.3
47313	19×22	310	50	2	36	18
47314	19×24	310	50	2	36	18
47317	21×26	370	55	2	12	12
47319	22×24	370	60	2	12	11.9
47321	24×27	400	65	2	12	14.1
47322	24×30	400	64	2	12	14.2
47324	30×32	420	75	2	12	13.6
47325	32×36	420	75	2	12	18.9



T-Handle 6Pt. Socket Wrench

- Socket made of quality Cr-V
- 30cm-long extension bar for use in narrow space
- 20cm-long handle for higher torque

No.	Spec. (mm)	L(mm)			
47701	8	310	-	50	16.2
47702	9	310	-	50	16.4
47703	10	308	-	50	16.8
47704	11	308	-	50	20
47705	12	308	-	50	17.4
47706	13	310	-	35	16.3
47707	14	310	-	35	16.4
47710	17	313	-	25	15.9
47712	19	313	-	25	16.2



Metric Box End Slugging Wrenches

- Forged from alloy steel
- Subjected to heat treatment for uniform hardness
- Surface with hard film and subject to anti-rust treatment for elegance, durability and rust prevention
- Tapping end with a safety hole to be hung with wire and string and connected to device during tapping to avoid wounding due to excessive force, and facilitate hanging and storage when not in use

No.	Spec. (mm)	S(mm)	L(mm)	D(mm)	H(mm)			
48505	27	27	175	45	15	6	24	7.9
48506	30	30	185	55	15	6	24	10.1
48507	32	32	185	50	15	6	24	10.8
48509	36	36	205	55	15	6	24	13.8
48512	41	41	225	62	19	6	24	17.7
48515	46	46	235	75	20	6	24	22.3
48516	50	50	250	75	20	6	18	19.6
48517	55	55	265	85	25	6	12	16
48519	60	60	274	90	25	6	12	18.9
48520	65	65	298	90	25	6	12	24.5
48521	70	70	320	105	30	3	6	14.6
48522	75	75	330	110	33.3	1	6	17
48523	80	80	359	131	36	1	6	23
48524	85	85	359	131	36	1	6	23
48525	90	90	391	145	39.8	1	4	24
48526	95	95	391	145	39.8	1	4	22
48527	100	100	421	158	43.5	1	2	14
48528	105	105	421	158	45.5	1	2	14
48529	110	110	450	172	47.5	1	2	17
48530	115	115	450	172	47.5	1	2	16
48531	120	120	480	185	53	1	2	19



Metric Open End Slugging Wrenches

- Forged from alloy steel
- Subjected to heat treatment for uniform hardness
- Surface with hard film and subject to anti-rust treatment for elegance, durability and rust prevention
- Tapping end with a safety hole to be hung with wire and string and connected to device during tapping to avoid wounding due to excessive force, and facilitate hanging and storage when not in use

No.	Spec. (mm)	S(mm)	L(mm)	D(mm)	H(mm)			
48603	27	27	175	45	15	6	24	9.3
48604	30	30	190	65	15	6	24	13.6
48605	32	32	185	60	18	6	24	12.4
48607	36	36	210	70	16	6	24	17.4
48609	41	41	230	85	16	6	24	23.5
48610	46	46	240	95	20	6	18	23.5
48611	50	50	270	100	18	6	12	18.8
48612	55	55	295	115	25	6	12	24.1
48613	60	60	310	120	25	6	6	14.2
48614	65	65	330	195	30	3	6	19.3
48615	70	70	360	150	30	3	6	24
48616	75	75	390	156	30.3	6	6	29
48617	80	80	408	173	33.3	4	4	28
48618	85	85	408	173	33.3	4	4	26
48619	90	90	445	193	38	2	2	19
48620	95	95	445	193	38	2	2	19
48621	100	100	485	214	45.5	2	2	22
48622	105	105	485	214	45.5	2	2	22



Combination Wrench Set

- Multi purpose, easy to carry
- Head with anti-slip teeth, wide range of adjustment, tight bite
- Handle is made of PP+TPR material, anti-slip and comfortable
- Automatic reset spring, effortless, convenient and fast

No.	Spec. (mm)	L(mm)			
47215-1	13-24 bolts and nut	260	-	-	-
47215-2	10-19 bolts and nuts	208	-	-	-

▲ Excluded from lifetime warranty terms.