

TORQUE WRENCHES



ALK 0315

Common Type/ Ratchet Type Torque Wrench

Code	Model No.	1/4"				□ ↓		=		Kg
		N.m	Kg.m	lbf.in	lbf.ft	in	mm	mm	in	
1	DVTR100	2.5-11	0.3-1.2	20-100	2-8	1/4	6	318	12 1/2	0.56
Code	Model No.	3/8"				□ ↓		=		Kg
		N.m	Kg.m	lbf.in	lbf.ft	in	mm	mm	in	
2	AVT100A	2.5-11	0.3-1.2	20-100	2-8	3/8	10	318	12 1/2	0.56
3	AVT300A	5-33	0.5-3.4	40-300	4-24	3/8	10	422	16 5/8	0.71
4	AVTR600	12-68	1.2-7	100-600	10-50	3/8	10	476	18 3/4	1.02
5	AVT600A	12-68	1.2-7	100-600	10-50	3/8	10	476	18 3/4	1.02
Code	Model No.	1"				□ ↓		=		Kg
		N.m	Kg.m	lbf.in	lbf.ft	in	mm	mm	in	
6	GVTR8400	480-940		350-700		1	25	1397	55	12.7
7	GVTR8400	480-940		350-700		1	25	1471	58 1/8	11.3

Common Type e/ Ratchet Type Torque Wrench

Code	Model No.	3/4"				□ ↓		=		Kg
		N.m	Kg.m	lbf.in	lbf.ft	in	mm	mm	in	
8	HVT5000	140-560		100-410		3/4	20	1130	44 1/2	6.58
9	HVT7200	200-810		150-600		3/4	20	1181	46 1/2	7.0
10	HVTR5000	140-560		100-410		3/4	20	1210	47 5/8	5.9
11	HVTR7200	200-810		150-600		3/4	20	1261	49 5/8	6.5
Code	Model No.	1/2"				□ ↓		=		Kg
		N.m	Kg.m	lbf.in	lbf.ft	in	mm	mm	in	
12	EVT600A	12-68	1.2-7	100-600	10-50	1/2	12.5	476	18 3/4	1.02
13	EVT1200A	25-135	3-14	200-1200	20-100	1/2	12.5	546	21 1/2	1.62
14	EVTR1200	25-135	3-14	200-1200	20-100	1/2	12.5	555	22	2.0
15	EVT2000A	50-225	5-23	400-2000	40-160	1/2	12.5	597	23 1/2	2.39
16	EVT3000A	70-330	7-35	600-3000	50-250	1/2	12.5	825	32 1/2	3.12
17	EVTR3000	70-330	7-35	600-3000	50-250	1/2	12.5	840	33	4.0



ALK 0316

Dial Torque Wrench

Code	Model No.	Range		Dr	L
		English	Metric		
1	2651	10 - 250 in. lb	0 - 28.00Nm	3/8"	10"
2	2652	0 - 600 in. lb	0 - 67.80Nm	3/8"	14 - 7/8"
3	2653	0 - 250 ft. lb	0 - 345.68Nm	1/2"	22 - 1/2"
4	2654	0 - 600 ft. lb	0 - 830.00Nm	3/4"	46 - 1/2"
5	2655	0 - 1000 ft. lb	0 - 1360.00Nm	1"	74 - 1/4"
6	2656	0 - 2000 ft. lb	0 - 2720.00Nm	1"	110 - 3/4"



ALK 0317

Computer Torque Wrench

Code	Dr	Range		Mkg	L (mm)
		English	Metric		
1	3/8"	15-250 in. lb	16-280 dNm	16-280 cmkg	380
2	3/8"	3-50 ft. lb, 36-600 in. lb	40-680 dNm	40-680 cmkg	380
3	1/2"	15-250 ft. lb	20-340 dNm	2-34 mkg	545
4	3/4"	35-600 ft. lb	50-820 Nm	5-83 mkg	1180
5	1"	60-1000 ft. lb	60-1350 Nm	8-140 mkg	1880

The above torque wrench are made of chrome vanadium steel, chrome-plated. They can be use to convert torque from one set of measuring unit to another. Packing: 1/Box.



ALK 0318

Ratchet & Micrometer Type Torque Wrench

Code	Model No.	Range		Dr	L
		English	Metric		
1	\T2L60	10 - 60 Kgf cm	0.98 - 5.88Nm	1/4"	10.5"
2	\3263	50 - 250 in.lb	0.11Nm (Grade)	3/8"	9.5"
3	2951	15 - 100 ft lb	23.7 - 138.9Nm	3/8"	14.6"
4	2952	30 - 250 ft lb	47.45 - 345.68	1/2"	20.6"
5	3265	10 - 150 ft lb	20.33 - 210.12Nm	1/2"	20.5"
6	2953	100 - 600 ft lb	153 - 830Nm	3/4"	40.0"
7	3261	5 - 50 in. lb	0.11Nm (Grade)	1/4"	8.0"
8	3262	30 - 200 in. lb	0.11Nm (Grade)	1/4"	9.5"
9	3264	150 - 1000 in lb	19.78 - 115.83Nm	3/8"	14.8"



ALK 0319

Power Wrench

Made of chrome vanadium steel, chrome-plated; for use in shipyard, chemical plant, oil refinery, steel works, power generation plant, heavy machinery, marine transportation and other fields.

Model No.	TOE-8300	TOE-6100
Weight (Kg)	7.2	2.5
Length (mm)	590	465

Contents:

Ratchet Handle, Reaction bar, 3mm L-Hex wrench.

Torque tightening efficiency: ±10%

Actual power: Considering the 90% efficiency, the actual tightening power is: 4 x 0.8 = 3.6 times

Code	Model No.	Max Torq. Kgf-m	Max Input Kgf-m	Gear ratio	Input across	Output across
1	8-300	255	80	1.4	3/4"	1"
2	6-100	85	27	1.4	1/2"	3/4"

Metal Case: 8-300 (625 x 190 x 120mm)
6-100 (505 x 120 x 100mm)

Flex-Head



ALK 0320

Ratchet & Micrometer Type Torque Wrench

Code	Model No.	Range		Dr	L
		English	Metric		
1	2954	5 - 75 ft. lb	10.7 - 105.06Nm	3/8"	11.75"
2	3266	30 - 250 ft lb	47.45 - 345.68Nm	1/2"	22.0"

Permits precise tightening of fasteners to manufacturer's specifications, micrometer type scale adjusted by rotating hand grip, wrench indicates desired torque by feel and sound, torque clockwise, accurate throughout entire torque range ±4% clockwise and ±6% counter-clockwise, torque wrenches are chrome-finished with dual scale etched in English and Metric, pliable, elastomer hand grip is resistant to damage from striking or contact with automotive fluids, ratchet head features 45-tooth ratchet design yielding only 8° of hand travel required for indexing, select driving direction with reversing ring, cannot be accidentally changed, turn spinner wheel to rapidly run down faster, includes unique palm pad for safer operation, hand pressure on smooth top prevents slipping by keeping socket and fastener firmly engaged.

VICES & CLAMPS

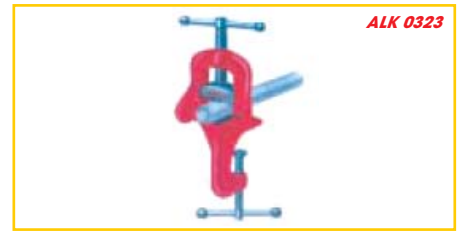
Vises



ALK 0321



ALK 0322



ALK 0323

Portable Tristand Chain Vise

Portable Kit Yoke Vise (Fits 4" Plank)

Portable . Yoke Vise

* For Plastic Pipe and Tube

** Jaw for Plastic Pipe Catalog No. 41280 available; order separately. Export Models require assembly.



ALK 0324



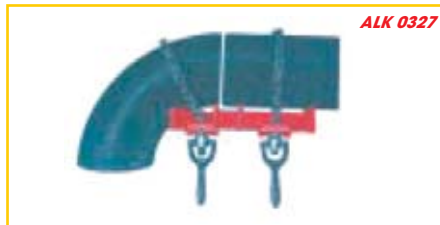
ALK 0325



ALK 0326

Bench Yoke Vise

Straight Pipe Welding Vise



ALK 0327



ALK 0328

Bottom Screw Bench Chain Vise

Elbow Pipe Welding Vise

Flange Pipe Welding Vise

Portable Tristand Vises - Integral legs and tray fold in for easy carrying and setup. Large vise base overhands front legs for clear tool swing. Complete with slots for hanging tools, pipe rest, three pipe benders, and ceiling brace screw.

Bench Yoke Vises - Yoke and base made of strong, dependable iron. Hardened alloy steel jaws and convenient pipe rest and bender.

Bench Chain Vises - Crank handle is anchored to base. Rugged cast-iron base has jaws of hardened alloy steel, handy pipe rest, and bender. Capacities of 1/8" through 8". Two models available for plastic pipe. Toothless jaws are neoprene-coated to prevent scoring of pipe.

Stand Chain Vise - Handy, portable stand chain vise. Study cast-iron frame, alloy steel jaws. Equipped with pipe rest, pipe bender, and tool tray. Legs and connection pipe not furnished.

Portable Chain and Yoke Vises - Light, strong, portable post chain vise fits any shape or kind of post. Equipped with tray for oil can, plus a handy pipe bender. The portable yoke vise easily attaches to plank, workbench, or post.

Pipe Welding Vises - Made of durable performance-proven material and designed to resist strain, heat, and warpage during tacking. Machined swivel nuts and pins, together with special chain screws, give smooth and trouble-free assembling of the vise onto pipe.

Code	Model No.	Description	Pipe Capacity	
			In.	mm.
ALK 0321-1	38	Portable Kit Yoke Vise	1/8-2	3-50
ALK 0321-2	39	Portable Kit Yoke Vise	1/8-2 1/2	3-60
ALK 0322-1	460	Portable Tristand Chain Vise*	1/8-5	3-125
ALK 0322-2	460	Portable Tristand Chain Vise Export**	1/8-5	3-125
ALK 0323-1	40-A	Portable Tristand Yoke Vise	1/8-2 1/2	3-60
ALK 0323-2	40-A*	Portable Tristand Yoke Vise Export	1/8-2 1/2	3-60
ALK 0324-1	20	Bench Yoke Vise	1/8-1/4	3-30
ALK 0324-2	21	Bench Yoke Vise	1/8-2	3-50
ALK 0324-3	22	Bench Yoke Vise	1/8-2 1/2	3-60
ALK 0324-4	23	Bench Yoke Vise	1/8-3	3-75
ALK 0324-5	25	Bench Yoke Vise	1/8-4	3-100
ALK 0324-6	27	Bench Yoke Vise	1/8-6	3-150
ALK 0325	461	Straight Pipe Welding Vise	1/2-8	15-200
ALK 0326-1	BC2A	Bottom Screw Bench Chain Vise	1/8-2	3-50
ALK 0326-2	BC4A	Bottom Screw Bench Chain Vise	1/8-4	3-100
ALK 0327-1	462	Angle Pipe Welding Vise	1/2-12	15-300
ALK 0327-2	463	Elbow Pipe Welding Vise	2 1/2-8	60-200
ALK 0328	464	Flange Pipe Welding Vise	2 1/2-8	60-200



ALK 0329

Chain Vises

Permit the holding of irregular shapes and provide an excellent cost for capacity value. Reed chain vises are the fastest to use: two turns to open or close. These vises are the strongest available and hardened tool steel jaws are triple-faced for rotations instead of replacements.

Code	Model No.	Pipe Capacity		Weight	
		Inches-Nam	Actual Omm	Lb.	Kg.
ALK 0329-1	CV2	1/8-2 1/2	10-75	10.0	4.5
ALK 0329-2	CV4	1/8-4	10-114	15.0	6.8
ALK 0329-3	CV5	1/8-5	10-141	16.0	6.8
ALK 0329-4	CV8	1/8-8	21-219	52.0	22.0
ALK 0329-5	CV12*	3/4 -12	25-325	123.0	55.0

VICES & CLAMPS

Vises



ALK 0330

Tripod Stands

The basic tripod stand (TS10) is a fabricated steel frame surmounted by a heavy gauge mounting plate which is drilled to accept the range of chain and hinged pipe vices shown in the table below. Metalworking vices No.1-3 and 100 can also be fitted. The stand features a higher tray, for odds and ends, and a fold down platform so that the operator has a firm foothold and can add his own weight to the stand, creating a very stable work station for heavy on site jobs. All record tripod stands fold flat for easy transport.

Code	Code No.	Approx Weight		Pipe Capacity
		lb	kg	
1	582	56	25.4	Chain pipe vice 182C
2	592	49	22.2	Hinged pipe vice 92C
3	592.1/2	57	25.9	Hinged pipe vice 92.1/2C
4	TS 10	39	18.0	182C, 92C, 921/2C



ALK 0333

Yoke Vises

Yoke vises permit the strongest jaw-to-jaw gripping of pipe. Reed yoke vises are made of ductile or malleable iron and have hardened, tool steel jaws. These vises easily convert from right to left-hand operation and back.

Code	Model No.	Pipe Capacity		Weight	
		Inches Nom.	Actual Omm	Lbs.	Kg.
1	R0	1/8 - 2	10 - 60	7.0	3.1
2	R1	1/8 - 2 1/2	10 - 75	10.0	4.5
3	R2	1/8 - 3 1/2	10 - 102	18.0	8.1
4	R3	1/8 - 4 1/2	10 - 127	25.0	11.0
5	64	1/4 - 6	14 - 168	49.0	22.0
6	65*	1 - 8	32 - 219	81.0	37.0
7	66*	1 1/2 - 12	48 - 335	171.0	78.0



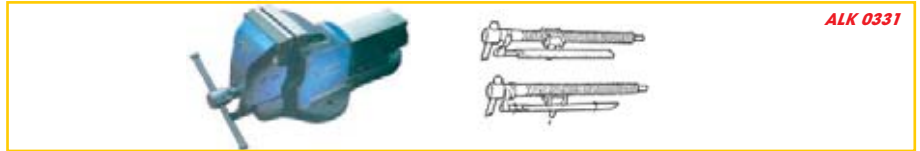
ALK 0335

Forged Anvils

Features Include:

- * Drop Forged Steel Construction
- * Milled, Hardened Work Surface
- * Generous Round Horn
- * Wide Stable Base
- * Square Hardie Hole
- * Pritchel Hole on Larger Models
- * Upsetting Block on Model #12

- 45 lb, 77 lb, 110 lb, 165 lb, 220 lb, 275 lb



ALK 0331

Quick-Release Fitters Vises

Designed for fitting, filing and large assembly work, this vice is standard equipment for many industrial and training workshop. The quick release mechanism disengages the main screw allowing rapid movement of the slide. A valuable time-saving feature in repetitive work situations.

Code	Model No.	Jaw width		Jaw opening		Jaw depth		Approx weight	
		In.	mm.	In.	mm.	In.	mm.	Lb.	Kg.
1	23	4.1/4	110	6.1/2	165	3.3/8	85	61	27.7
2	25	6	150	8.1/4	210	4.1/2	115	90	40.9



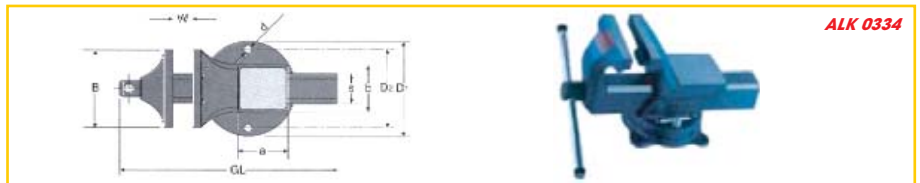
ALK 0332

Swivel Base
4", 5", 6", 8"

Fibre Jaw
4", 5", 6", 8"

Mechanics Vises

Code	Model No.	Jaw Width		Jaw Opening		Jaw Opening		Approx weight with stationary base		With swivel base	
		In.	mm.	In.	mm.	In.	mm.	Lb.	kg	Lb.	Kg
1	1	3	75	3.3/4	95	1.7/8	50	12	5.4	15	6.8
2	3	4	100	4.3/4	120	2.3/4	70	33	15.0	41	18.6
3	5	5	125	6.1/2	165	3.1/4	85	53	24.0	63.1/2	28.8
4	6	6	150	8	205	3.1/2	90	70	31.8	87	39.5
5	8	8	205	9.1/4	235	4	100	84	38.1	101	45.8



ALK 0334

F45, F50 and F60 F-Series Vises Redefining Performance

Code		1	2	3
		F45	F50	F60
Jaw Width	B	4.9" (120mm)	5.7" (140mm)	6.5" (160mm)
Clamping Width	W	6.1"	8.2"	9.2"
Total Length	GL	13.6"	18.0"	20.4"
Guide Width	S	2.0"	2.2"	2.7"
Anvil Size	a x b	3.1" x 2.9"	3.9" x 3.7"	4.9 x 4.5"
Base Diameter	D1	6.1"	7.3"	7.3"
Hole Pitch	D2	4.7"	5.9"	5.9"
Hole Diameter	d	0.6"	0.6"	0.6"
Pipe Capacity Range		3/8-3"	1/2"-3 1/2"	1/2-4"

Code	Model No.	Description	Weight	
			Lb.	Kg
1	F45	4.5" (120mm) Vise	28	11.9
2	F50	5.0" (140mm) Vise	48	21.6
3	F60	6.0" (160mm) Vise	63	28.6



ALK 0336

Drill Press Vises - No.E-103

Code	No.	Width of jaws (nominal)	Opening	Depth weight	Approx
		mm	(mm)	(mm)	(kg)
1	3	(75) 83	80	24	3.0
2	4	(100) 110	100	28	4.5
3	5	(125) 135	123	33	7.3
4	6	(150) 162	140	37	10.4



ALK 0337

Drill Press Vises - No.E-278

No.	Eu - N2
Jaws Width	100
Opening	55
Jaw Depth	30
Length Overall	280
Width Overall	160
Height Overall	60

VICES & CLAMPS

Vises



B-Type Milling Machine Vises No.E-288

Code	No.	Width of jaws (mm)	Opening (mm)	Depth of jaws (mm)	Approx weight (kg)
1	100	110	90	35	15.8
2	125	140	100	42	23.0
3	150	165	129	48	36.1
4	200	210	184	70	73.4



K-Type Milling Machine Vises No.E-108

Code	No.	Width of jaws (mm)	Opening (mm)	Depth of jaws (mm)	Approx weight (kg)
1	75	81	61	34	6.9
2	100	105	85	38	11.9
3	125	132	100	42	17.2
4	150	157	126	48	24.2
5	200	210	160	67	51.3



F-Type Milling Machine Vises No.E-107

Code	No.	Width of jaws (mm)	Opening (mm)	Depth of jaws (mm)	Approx weight (kg)
1	75	88	59	35	7.8
2	100	110	90	35	11.0
3	125	140	100	42	17.0
4	150	165	129	48	26.5
5	200	210	184	70	59.5

Clamps



G-Cramps Medium Duty 119

Code	Model No.	Size Inch.
1	119	1"
2	119	2"
3	119	2 1/2"



G-Cramps Medium Duty 120

Code	Model No.	Size Inch.
1	120	2"
2	120	3"
3	120	4"
4	120	6"



G-Cramps Heavy Duty 121

Code	Model No.	Size Inch.
1	121	3"
2	121	4"
3	121	6"



Deep Throat G Clamp Medium Duty 122

Code	Model No.	Size
ALK 0344	122	4"



Edging Cramps Medium Duty C129

Code	Model No.	Size
ALK 0345	C129	23/8



Sash Cramps 135

Code	Model No.	Size Inch.
1	135/1	24"
2	135/2	30"
3	135/3	36"
4	135/4	42"



Sash Cramps 136

Code	Model No.	Size Inch.
1	136/5	48"
2	136/6	54"
3	136/7	60"



Sash Cramps 136

Code	Size Inch.
1	4"
2	6"
3	8"
4	10"
5	12"
6	14"
7	16"

WRENCHES

“HIT” Adjustable Wrench



All HIT Adjustable Wrenches exceed JAPAN JIS Standard and U.S.A. Federal Specification No GGG-W-631b, Type I Heavy-Duty. Made of all drop-forged steel, with chrome plated finish.

Code	Length (mm)	Capacity (mm)
ALK 0349-1	100 (4")	14
ALK 0349-2	150 (6")	21
ALK 0349-3	200 (8")	25
ALK 0349-4	250 (10")	30
ALK 0349-5	300 (12")	35
ALK 0349-6	375 (15")	45
ALK 0349-7	450 (18")	55

“HIT” Adjustable Spud Wrench



Die casting Aluminium Alloy Construction. Weigh only 240g, a perfect tool for working in the tightest quarters to be reached by one hand. Jaws can be opened up to 2-11/16" (68mm) to reach difficult areas. Durable soft jaw pads protect work from marring. Best suited for polished, chrome plated, brass tubular and fittings against scratch damage or deform. Excellent for working on plumbing, water filters, PVC conduits and polished shafts.

Code	Length (mm)	Capacity (mm)
ALK 0350	200	16 - 68

“HIT” Flange Wrench



Forged strong I-Beam handle, designed for working on any suitable type of flange as well as regular pipe. Excellent for flange fittings.

Code	Handle Lgth (mm)	Chain L (mm)	Capacity (mm)
ALK 0351	490	990	280

“HIT” Chain Wrench



All drop-forged, heavy-duty pipe wrench with safety chain stopper. Suitable for use on round, hexagon, square and irregular shape objects and in awkward corners.

Code	Handle Lgth (mm)	Chain L (mm)	Capacity (mm)
ALK 0352-1	290	438	14-89
ALK 0352-2	390	512	17-114
ALK 0352-3	490	686	27-165
ALK 0352-4	670	857	34-216
ALK 0352-5	710	980	34-267
ALK 0352-6	710	1170	34-320

Spare Chain

Code	Chain L (mm)	Capacity (mm)
ALK 0352-7	438	14-89
ALK 0352-8	512	17-114
ALK 0352-9	686	27-165
ALK 0352-10	857	34-216
ALK 0352-11	980	34-267
ALK 0352-12	1170	34-320

“HIT” Belt (Strap) Wrench



Special fabric belt that tightens pipes without leaving marks.

Code	Length (mm)	Capacity (mm)	Belt Lgth (mm)	Belt Width (mm)
ALK 0353-1	300 (12")	165	700	30
ALK 0353-2	300 (12")	250	1400	30
ALK 0353-3	Spare Belt for BTW6			
ALK 0353-4	Spare Belt for BTW14			

“HIT” Pipe Wrench With All Drop-Forged Aluminium Alloy Body



HIT U-frame heavy-duty wrenches are the strongest available tools of this type. Handle and full floating hook jaws are made of drop-forged special aluminium alloy and almost 50% lighter than steel or malleable handle pipe wrenches.

Code	Length (mm)	Capacity (mm)
1	300 (12")	48
2	350 (14")	60
3	450 (18")	76
4	600 (24")	89
5	900 (36")	114

“HIT” Offset Wrench With Aluminium Handle



AOP-450

Drop forged aluminium alloy body and steel hook and heel jaws.

Code	Length (mm)	Capacity (mm)
ALK 0355	450 (18")	76

WRENCHES

"HIT" Pipe Wrench With Akk Drop-Forged Steel Handle

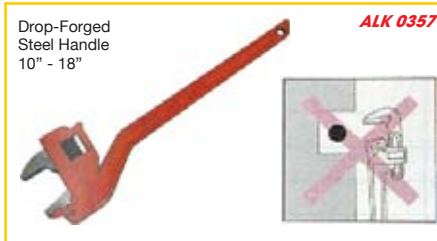


ALK 0356

HIT U-type all drop-forged steel heavy duty pipe wrench. Won't break or warp. Meet Japan Industrial Standard JIS B 4606 PER No. 657. Exceed USA Federal Specification No. GGG-W-651c, Type II Class A Heavy duty.

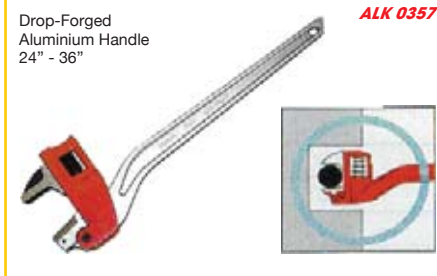
Code	Length (mm)	Capacity (mm)
1	150 (6")	27
2	200 (8")	34
3	250 (10")	42
4	300 (12")	48
5	350 (14")	60
6	450 (18")	76
7	600 (24")	89
8	900 (36")	114
9	1200 (48")	140

"HIT" Multi-Purpose Wrench



Drop-Forged Steel Handle
10" - 18"

ALK 0357



Drop-Forged Aluminium Handle
24" - 36"

ALK 0357

Newly designed pipe wrench for multi-purpose use. Easy action on narrow spaces and corners. Size 10" to 18" made of forged steel body and sizes 24" & 36" made of forged aluminium body for less weight.

Code	Length (mm)	Capacity (mm)
1	250	8 ~ 25
2	300	10 ~ 32
3	350	15 ~ 40
4	450	25 ~ 50
5	600	40 ~ 80
6	900	65 ~ 100

m10(R) Combination Wrench, Matt Finish - Taiwan



(12pt) 15°
ALK 0358

Chrome-vanadium steel, raised panel handle, matt finish, ANSI standard. (American National Standards Institute)

Code	Size (mm)	Length (mm)
1	5.5	93
2	6	93
3	7	98
4	8	103
5	9	116
6	10	123
7	11	131
8	12	143
9	13	147
10	14	168
11	15	189
12	16	196
13	17	207
14	18	220
15	19	230
16	20	230
17	21	242
18	22	260
19	23	280
20	24	309
21	25	332
22	26	332
23	27	358
24	28	380
25	29	380
26	30	380
27	32	418
28	33	461
29	34	461
30	35	461
31	36	486
32	38	486
33	40	540
34	41	540
35	42	540
36	45	611
37	46	611
38	50	611
39	55	665
40	60	760
41	65	760

m10(R) Combination Wrench Set - Taiwan



(12pt) 15°
ALK 0359-1



(12pt) 15°
ALK 0359-2

Code	Description	
ALK 0359-1	Item 06R	: 6pcs (mm) 8, 10, 12, 13, 14, 17mm.
ALK 0359-2	Item 14M	: 14pcs 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24mm.
ALK 0359-3	Item 23M	: 23pcs 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 30, 32mm.
ALK 0359-4	Item 11W	: 11pcs (inch) 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1".
ALK 0359-5	(BAG)	Empty Bag for 14M
ALK 0359-6		Empty Bag for 23M
ALK 0359-7		Empty Bag for 11W

m10(R) Adjustable Wrench With Scale - China



m10 - with scale
ALK 0360

Made of chrome vanadium steel, chrome-plated, for heavy duty.

m10(R) : ASME B107.8M-2003
(American Society of Mechanical Engineers)

Code	Item - Size	Max Capacity (mm)	Box/Ctn
1	AW-100- 4"	13	6/120
2	AW-150- 6"	21	6/120
3	AW-200- 8"	29	6/60
4	AW-250- 10"	31	6/48
5	AW-300-12"	36	6/24
6	AW-375- 15"	45	4/24
7	AW-450- 18"	55	2/12
8	AW-600- 24"	62	1/6

WRENCHES

**m10(R) Combination Wrench,
Matt Finish – Taiwan**



(12pt) 15°
ALK 0361

Chrome-vanadium steel, raised panel handle, matt finish, ANSI standard. (American National Standards Institute)

Code	Size (inch)	Length (mm)
1	1/4"	93
2	5/16"	98
3	11/32"	103
4	3/8"	116
5	7/16"	123
6	1/2"	131
7	9/16"	143
8	5/8"	147
9	11/16"	168
10	3/4"	189
11	13/16"	196
12	7/8"	207
13	15/16"	220
14	1"	230
15	1-1/16"	230
16	1-1/8"	242
17	1-1/4"	260
18	1-5/16"	461
19	1-3/8"	461
20	1-7/16"	486
21	1-1/2"	486
22	1-5/8"	540
23	1-11/16"	540
24	1-3/4"	611
25	1-13/16"	611
26	1-7/8"	611
27	2"	611
28	2-1/16"	665
29	2-1/8"	665
30	2-1/4"	665
31	2-5/16"	665
32	2-3/8"	760
33	2-7/16"	760
34	2-1/2"	760
35	2-9/16"	760

**Netsuren Slogging
Open-End Wrench – Japan**



15°
ALK 0362

Made of drop-forged, chrome vanadium steel, black surface finish, with striking face, heavy duty.

Code	Size (mm)	Length (mm)
1	22	202
2	24	202
3	27	202
4	30	202
5	32	202
6	35	216
7	36	216
8	38	231
9	41	231
10	46	247
11	50	275
12	54	305
13	55	305
14	58	310
15	60	310
16	63	348
17	65	348
18	67	348
19	70	400
20	71	400
21	75	400
22	77	400
23	80	407
24	85	407
25	90	456
26	95	456
27	100	506
28	105	506
29	110	511
30	115	545
31	120	545
32	125	545
33	130	581
34	135	586
35	140	645
36	145	645

**Aigo 45° Double-End
Ring Spanner – Japan**



(12pt) 45°
Profiled Handle
ALK 0363

Made of all drop-forged from chrome molybdenum steel, JIS standard. JIS B-4632 No. 373112.

Code	Size (mm)	Length (mm)
1	5.5 x 7	151
2	6 x 7	151
3	6 x 8	151
4	8 x 9	175
5	8 x 10	175
6	10 x 11	196
7	10 x 12	198
8	10 x 13	198
9	10 x 14	198
10	11 x 12	198
11	11 x 13	199
12	12 x 13	199
13	12 x 14	221
14	13 x 17	221
15	14 x 15	221
16	14 x 17	246
17	16 x 17	246
18	17 x 19	283
19	17 x 21	304
20	17 x 22	305
21	18 x 19	305
22	19 x 21	321
23	19 x 22	321
24	19 x 24	331
25	21 x 23	333
26	21 x 26	359
27	22 x 24	369
28	22 x 27	371
29	23 x 26	371
30	24 x 26	357
31	24 x 27	377
32	24 x 30	379
33	25 x 28	380
34	26 x 29	379
35	26 x 32	392
36	27 x 30	391
37	27 x 32	413
38	29 x 32	414
39	30 x 32	414
40	30 x 36	427
41	32 x 35	429
42	32 x 36	429
43	35 x 41	456
44	36 x 41	456

WRENCHES

Netsuren Slogging Ring Wrench – Japan



(12pt) Straight
ALK 0364

Made of drop-forged, chrome vanadium steel, black finish, with striking face, heavy duty.

Code	Size (mm)	Length (mm)
1	22	196
2	30	196
3	32	196
4	35	209
5	36	209
6	38	223
7	41	223
8	46	237
9	50	250
10	54	270
11	55	270
12	58	270
13	60	308
14	63	308
15	65	308
16	67	308
17	70	345
18	71	345
19	75	345
20	77	345
21	80	365
22	85	365
23	90	392
24	95	392
25	100	420
26	105	420
27	110	443
28	115	470
29	120	470
30	125	470
31	130	497
32	135	526
33	145	558

WRENCHES

m10(R) Double Open End Wrench – Taiwan



ALK 0365

Chrome-vanadium steel, raised panel handle, matt finish, ANSI standard. (American National Standards Institute)

Code	Size (mm)	Length (mm)
1	5.5 x 7	102
2	6 x 7	102
3	6 x 8	102
4	7 x 8	102
5	8 x 9	110
6	8 x 10	110
7	9 x 10	110
8	9 x 11	125
9	10 x 11	126
10	10 x 12	126
11	10 x 13	135
12	11 x 12	135
13	11 x 13	135
14	12 x 13	152
15	12 x 14	152
16	13 x 14	157
17	13 x 15	157
18	13 x 17	157
19	14 x 15	157
20	14 x 17	157
21	15 x 17	180
22	16 x 17	180
23	16 x 18	180
24	17 x 19	190
25	18 x 19	190
26	19 x 21	212
27	19 x 22	212
28	20 x 22	212
29	21 x 23	212
30	22 x 24	212
31	23 x 26	258
32	24 x 25	258
33	24 x 26	258
34	24 x 27	258
35	24 x 30	258
36	25 x 27	285
37	25 x 28	285
38	26 x 29	285
39	27 x 30	340
40	27 x 32	340
41	28 x 30	340
42	29 x 32	340
43	30 x 32	340
44	36 x 41	434
45	41 x 46	465
46	46 x 50	495
47	46 x 51	495

m10(R) Double Open End Wrench – Taiwan



ALK 0366

Chrome-vanadium steel, raised panel handle, matt finish, ANSI standard. (American National Standards Institute)

Code	Size (inch)	Length (mm)
1	1/4" x 5/16"	102
2	3/8" x 7/16"	102
3	7/16" x 1/2"	102
4	1/2" x 9/16"	102
5	9/16" x 5/8"	110
6	19/32" x 11/16"	110
7	5/8" x 11/16"	110
8	5/8" x 3/4"	126
9	11/16" x 3/4"	126
10	11/16" x 13/16"	126
11	3/4" x 13/16"	135
12	3/4" x 7/8"	135
13	13/16" x 7/8"	135
14	15/16" x 1"	152
15	1" x 1-1/16"	152
16	1" x 1-1/8"	157
17	1-1/16" x 1-1/8"	157
18	1-1/8" x 1-1/4"	157
19	1-3/16" x 1-1/4"	157
20	1-7/16" x 1-5/8"	157
21	1-1/2" x 1-5/8"	180
22	1-5/8" x 1-3/4"	180
23	1-11/16" x 1-7/8"	180
24	1-3/4" x 2"	190
25	1-13/16" x 2"	212

m10(R) Flare Nut Wrench – Taiwan



Made of chrome-vanadium steel, chrome-plated. Matt finish.

Code	Size (mm)	Length (mm)
1	8 x 9	130
2	8 x 10	130
3	9 x 11	150
4	10 x 11	150
5	10 x 12	150
6	11 x 13	170
7	12 x 14	170
8	13 x 14	175
9	14 x 17	190
10	15 x 17	195
11	16 x 18	210
12	17 x 19	210
13	19 x 21	230
14	19 x 22	230
15	30 x 32	285
(inch)		
16	1/4" x 5/16"	126
17	5/16" x 3/8"	130
18	3/8" x 7/16"	150
19	7/16" x 1/2"	170
20	1/2" x 9/16"	170
21	9/16" x 5/8"	190
22	5/8" x 11/16"	195
23	5/8" x 3/4"	210
24	11/16" x 3/4"	210
25	3/4" x 7/8"	230
26	7/8" x 1"	252
27	1" x 1-1/8"	265

m10(R) Double Open End Wrench Set – Taiwan



Chrome-vanadium steel, raised panel handle, matt finish, ANSI standard. (American National Standards Institute)

Description	
Item OP6-1M	: 6pcs 6x7, 8x9, 10x12, 11x13, 12x14, 17x19mm.
Item OP6-2M	: 6pcs 8x9, 10x12, 12x14, 14x17, 17x19, 21x23mm.

Aigo 45° Double-End Ring Spanner – Japan



Raised Panel-on-handle type, fine alloy high carbon steel, conform to U.S. Federal specification.

Code	Size	Length (mm)
1	1/4" x 5/16"	145
2	3/8" x 7/16"	175
3	7/16" x 1/2"	200
4	1/2" x 9/16"	203
5	9/16" x 5/8"	235
6	5/8" x 11/16"	235
7	5/8" x 3/4"	251
8	11/16" x 3/4"	275
9	3/4" x 25/32"	275
10	3/4" x 7/8"	290
11	13/16" x 7/8"	320
12	15/16" x 1"	370
13	1-1/16" x 1-1/8"	405
14	1-1/4" x 1-5/16"	435
15	1-1/4" x 1-3/8"	465

Top Single Ratchet Scaffold Wrench – Japan



Made of special fine alloy steel, heavy duty and heat-treated.

Code	Size (mm)	Length (mm)
1	10	235
2	12	235
3	13	235
4	14	235
5	17	278
6	19	312
7	21	312
8	22	312
9	24	358
10	26	358
11	27	358
12	30	415
13	32	415
14	35	460
15	36	460
16	41	503
17	46	516

m10(R) Swivel Socket Wrench – Taiwan



Raised-panel-on-handle, all drop-forged from fine alloy high carbon steel for handle and chrome vanadium steel for socket. Matt Finish.

Code	Size (mm)	Length (mm)
1	8	170
2	9	170
3	10	180
4	11	190
5	12	195
6	13	210
7	14	230
8	15	230
9	16	235
10	17	235
11	18	255
12	19	255
(inch)		
13	3/8"	180
14	7/16"	190
15	1/2"	210
16	9/16"	230
17	5/8"	235
18	11/16"	235
19	3/4"	255

WRENCHES

Top Double Ratchet Scaffold Wrench – Japan



Double size (12pt)
RM - Top
RN/SR - Super
ALK 0372

Made of special fine alloy steel, heavy duty and heat-treated.

Code	Size (mm)	Length (mm)
1	10 x 12	235
2	10 x 13	235
3	10 x 14	235
4	11 x 13	235
5	12 x 14	235
6	13 x 17	278
7	13 x 19	312
8	14 x 15	26
9	14 x 17	278
10	14 x 17	250
11	16 x 18	312
12	17 x 19	312
13	17 x 19	310
14	17 x 21	312
15	17 x 21	290
16	17 x 22	312
17	19 x 21	312
18	19 x 22	312
19	19 x 24	358
20	21 x 24	358
21	21 x 26	358
22	21 x 27	358
23	22 x 24	358
24	22 x 27	358
25	23 x 26	358
26	24 x 27	415
27	24 x 30	415
28	26 x 32	415
29	27 x 30	415
30	27 x 32	415
31	30 x 32	460
32	32 x 35	460
33	32 x 36	503
34	35 x 41	503
35	36 x 41	516
36	41 x 46	545
37	46 x 50	545

m10(R) Double-End Swivel Socket Wrench – Taiwan



m10^(R) (120pt)
ALK 0373

Chrome vanadium steel, chrome-plated. Matt Finish.

Code	Size (mm)	Length (mm)
1	8 x 9	180
2	8 x 10	185
3	10 x 11	200
4	10 x 12	205
5	11 x 13	205
6	12 x 13	220
7	12 x 14	225
8	13 x 17	242
9	14 x 15	242
10	14 x 17	244
11	16 x 17	254
12	17 x 19	260
13	18 x 19	275
14	20 x 22	305
15	21 x 22	305
16	21 x 23	305
17	24 x 27	335
(inch)		
18	3/8" x 7/16"	200
19	1/2" x 9/16"	225
20	5/8" x 11/16"	260
21	11/16" x 3/4"	260
22	3/4" x 7/8"	300