

2. CONVENTIONAL TOOLS PROFIT® TOOLS



CAUTION

PROFIT® tools

- The durability is lower than that of the standard type due to the thin wall type design.
- Take care to not over-apply force.
- Use wrenches that conform to the size of the bolts and nuts.
- Do not use by adding on pipes, etc.
- Make sure that bolts and nuts are inserted correctly and fully into the tool. (Open end wrenches)

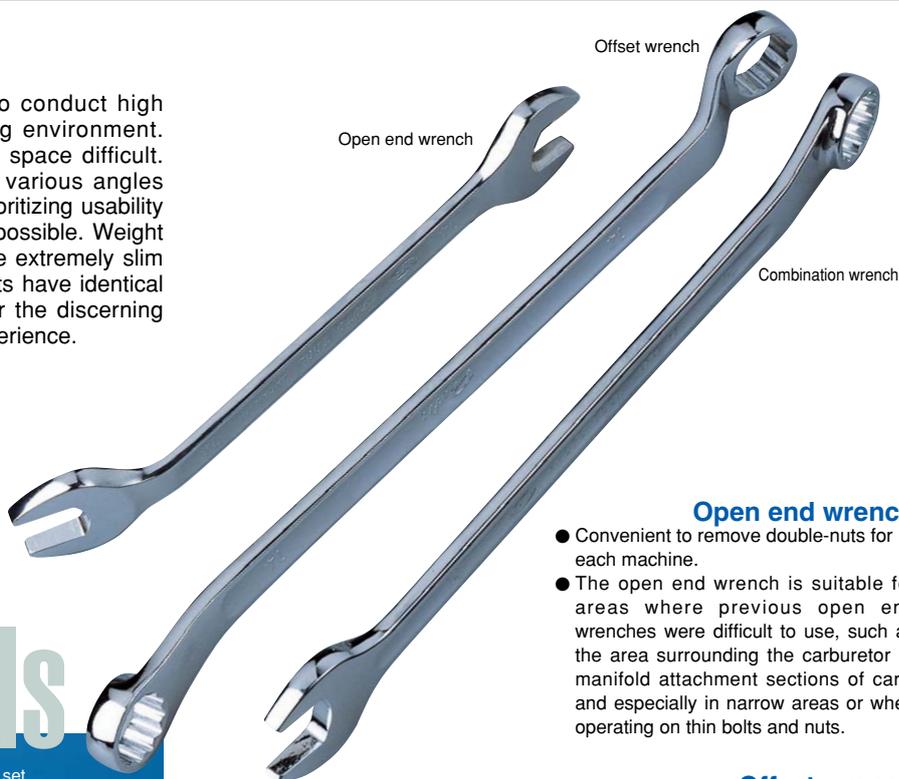
- Insert the bolts and nuts fully. (Offset wrenches)
- The open end wrench can come loose when too much force is applied.
- Take care not to allow the tool to slip off.
- Do not use this tool as a hammer.
- Do not apply strong impact on this tool by hitting it with a hammer, etc.

PROFIT® tool

The professional mechanic is expected to conduct high quality work in a confined space operating environment. Previous tools make working in a confined space difficult. Mechanics prefer to be able to work from various angles without changing the tool. Precision tools prioritizing usability have been developed in order to make this possible. Weight and excessive mass has been shed from the extremely slim tool body and open end wrenches and offsets have identical diameters with differing angles. The tool for the discerning professional who can feel the torque with experience.



"Profit" Tools



Open end wrench

- Convenient to remove double-nuts for each machine.
- The open end wrench is suitable for areas where previous open end wrenches were difficult to use, such as the area surrounding the carburetor or manifold attachment sections of cars, and especially in narrow areas or when operating on thin bolts and nuts.

Offset wrench

- Removal and attachment of bolts and nuts in narrow areas, such as the flange joints or tight spaces in industrial machines.
- Suitable for the differential propeller shaft joint section of cars, drive shaft and clutch overhaul for front drive vehicles, carburetor and manifold related attachment and removal operations during engine overhaul.
- Operations that require deep reach in narrow areas, such as bumpers and inside panels during vehicle maintenance.

● PROFIT® TOOL OFFSET WRENCH & OPEN END WRENCH SET (6pcs.)



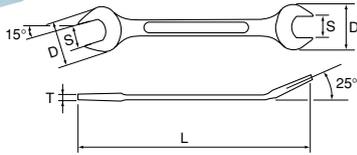
PROFIT® TOOL OFFSET WRENCH & OPEN END WRENCH SET (6pcs.)		mm
No. SM306	▼ g 320	5
Open End Wrenches		S 30-10, 12, 14
Box-End Wrenches		M30-10, 12, 14

• Each set includes Box-End and Open-End wrenches.

*PROFIT® is a registered trademark of KYOTO TOOL CO., LTD.

*Please check the merchandise inventory for a product that is marked by  before placing an order.

PROFIT® TOOL OPEN END WRENCH • SET (S30 • 5pcs.)



PROFIT® TOOL OPEN END WRENCH • SET (5pcs.) mm

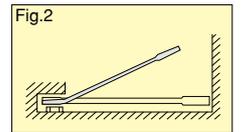
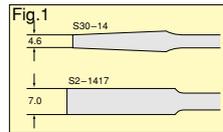
No. TS305	▼g 380	📦 1
Profit Tool™ Open End Wrench S30-8, 10, 12, 13, 14		
Plastic Case L215×W120×H45mm		

• Placed in the tray and housed in a transparent plastic case.

No.	S	D	T	L	▼g	📦
S30- 8	8	19	3	120	30	10
-10	10	22	3.5	130	35	10
-12	12	27	4.3	140	53	10
-13	13	29	4.5	150	60	10
-14	14	30	4.6	160	68	10
-15	15	33	4.7	170	80	10
-17	17	36	4.8	185	105	10
-19	19	40	5	200	125	10

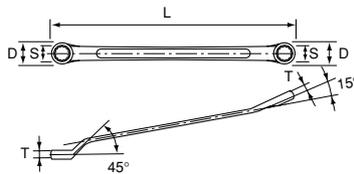
- Extra thin type open end wrench with one bent end and one tapered edge end. (Fig.1)
- The diameter is limited to one size and set with a 25 degree tilt angle on one end only.
- Convenient for use on double nuts on various machineries.
- Effective in places where it's difficult to use conventional wrenches, such as near surroundings of automobile carburetors and manifolds. Particularly effective in tight spaces or with thin bolts and nuts. (Fig.2)

COMPARISON OF TAPERED SHAPE ON THE TIP (to the KTC's conventional shape)



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PROFIT® TOOL OFFSET WRENCH • SET (M30 • 5pcs.)



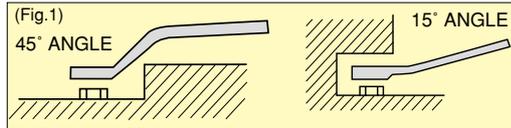
PROFIT® TOOL OFFSET WRENCH • SET (5pcs.) mm

No. TM305	▼g 460	📦 1
PROFIT® Tool Offset Wrench M30-8, 10, 12, 13, 14		
Plastic Case L187×W190×H44mm		

• Placed in the tray and housed in a transparent plastic case.

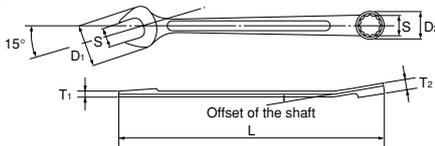
No.	S	D	T	L	▼g	📦
M30- 8	8	12	4.5	155	30	10
-10	10	15	5.5	175	40	10
-12	12	18	6.5	200	60	10
-13	13	19	7	210	70	10
-14	14	21	7.5	225	80	10
-15	15	22	8	231	90	10
-17	17	25	9	244	100	10
-19	19	27	10	270	120	10

- Smaller diameter of box-ends and thinner body angled 45°×15°. (Fig.1)
- Convenient for use on bolts and nuts used in flange joints of industrial machineries or between narrow gaps. (Fig.1)
- Effective for automobile parts including differentials, propeller shafts, joints and drive shafts of front-drive vehicles, as well as for clutch overhauling. Also convenient for attaching or removing carburetors and manifolds during engine overhauls.
- Suitable for automobile servicing operations in tight and deep spaces, such as behind bumpers or inside panels.



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PROFIT® TOOL COMBINATION WRENCH • SET (M30 • 5pcs.)



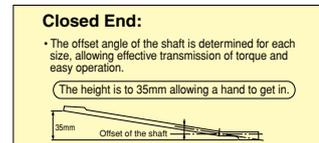
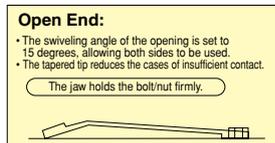
PROFIT® TOOL COMBINATION WRENCH • SET (5pcs.) mm

No. TMS305	▼g 440	📦 1
Open-End Wrenches MS30-8, 10, 12, 13, 14		
Plastic Case L187×W190×H44mm		

• Placed in the tray and housed in a transparent plastic case.

No.	S	D ₁	D ₂	T ₁	T ₂	L	▼g	📦
MS30- 8	8	18	11.5	2.5	4.5	125	18°	20
-10	10	21.5	14.5	3	5.5	150	15°	30
-12	12	26	17.5	3.8	6.5	170	13°	50
-13	13	28.5	18.5	4	7	185	12°	60
-14	14	29.5	20	4.1	7.5	200	11°	80
-15	15	32	21	4.2	8	215	10°	90
-17	17	36	24	4.3	9	240	9°	125
-19	19	40	26.5	4.5	10	260	9°	155

- The closed end is designed to have Power Fit®.
- Slim in form: designed in pursuit of thin lightweight wrenches.
- Shaft designed to be tapered for good torque transmission and ductility.
- Shaft length designed to be optimal for sufficient fastening torque.



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