



For a variety of piping works such as ventilation, gas, water, drainage, electrical, telegraphic, chemical, vehicular, etc.

PIPING TOOLS



The Super Tong (ST1-3) was first developed and manufactured by Super Tool in 1957 for Japanese domestic customers to meet tool requirements for piping work in narrow areas and for wall surfaces which previous pipe wrenches could not deal with.

The free size (small to large diameter) easy to use tools were very popular and were nicknamed 'Super Ton' by piping workers.

Since then Super Tool has been trying to develop tube cutters, flaring tools, flanging tools, pipe wrenches, belt wrenches and quick wrenches in order to meet customers requirements for a variety of operations, cutting, expanding, bending, clamping and turning.

In the future we will concentrate our efforts on developing and preparing piping tools suitable for work sites.

## New cooling media regulations

CFC, HCFC cooling medias, conventionally used for cooling and air ventilation equipment has been replaced by HFC cooling to protect the environment. Therefore, tools of newly modified specifications are required. Super tool has prepared the following types of flaring tools.

### Tools for new cooling media

To meet the bothe for No.1 type and No.2 type

Gauge bar.....	TFG 455N · 456N	( P 47 )
Flaring attachment.....	TFWA	( P 47 )
Flaring tool set .....	TF 455WN · 456WN	( P 43 )
	TF 455WQN · 456WQN	( P 43 )
Super torque wrench(with proofroad certificate).....	STW17S · 22S · 26S · 29S	( P 54 )

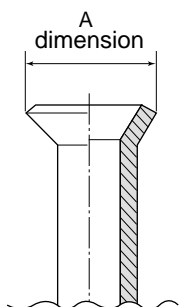
### Tools for new cooling media available to new standard

Cooper pipe 3/4 " ,inner diameter 1.2mm

To meet the bothe for No.1 type and No.2 type

<b>Flaring tool set</b>	<b>Tubing tool set</b>
TF 455WH · 456WH ( P 44 )	TS 455WH · 456WH ( P 45 )
TF 455WRH · 456WRH ( P 44 )	TS 455WRH · 456WRH ( P 45 )
TF 455WDH · 456WDH ( P 44 )	TS 455WDH · 456WDH ( P 45 )
TF 455WQH · 456WQH ( P 43 )	TS 455WQH · 456WQH ( P 45 )

## • Flare processed measurement standard



Item name	Diameter	Adimension ( $\begin{smallmatrix} +0 \\ -0.4 \end{smallmatrix}$ )	
		For No. 1 type	For No. 2 type
1/4"	6.35	9.0	9.1
3/8"	9.52	13.0	13.2
1/2"	12.70	16.2	16.6
5/8"	15.88	19.4	19.7
3/4"	19.05	23.3	24.0

: No. 1 type R407C (E),R404A, R507A, HFC134a or existing media  
: No. 2 type R410a media

