



MEMO





2016 New Products

新品上市



P1
CH-804RU



P2
CH-704AU



P3
CH-804AU



P4-5
CH-804BU/WU



P18
CH-1213CV



P8 CH-1100AH



P8 CH-1100A



P8 CH-1100AS



P12 CH-2629



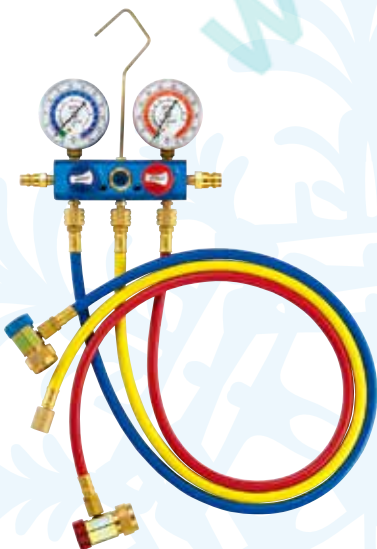
P12 CH-312ARB



P46 CA-04 x 05LH



P46 CA-05LH x 04



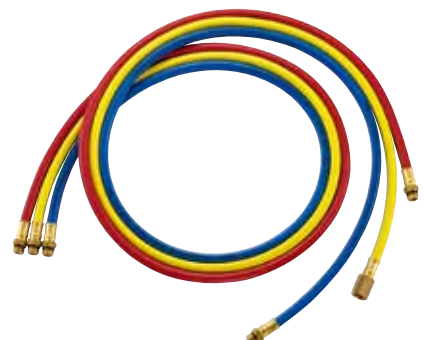
P29 BVL-YF136G



P29 BVJ-236G



P20 AS-GK04 1/4"



P26 CH-336RYB-1234



2016 New Products

新品上市



P36 CH-134L-34
CH-134H-34



P36 CH-134L-1234
CH-134H-1234



P36 RG-410-500-34MI
RG-410-800-34MI



P32 CH-KV01G-S410



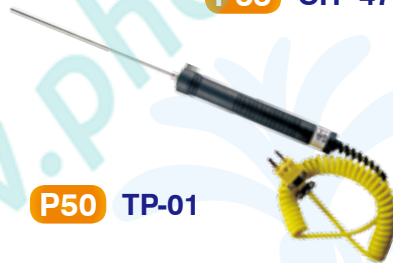
P33 CH-471SCVLG



P34 CH-472BV-34L



P49 TM-185 &
TM-185D



P50 TP-01



P50 TP-02



P50 TP-03



P50 TP-04



P51 TM-188 &
TM-188D



P52 TM-4001 &
TM-4002



P54 TM-81~TM-82/TM-86~TM-88



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偏心式擴管器系列-棘輪省力型

LESS POWER, 45° ECCENTRIC CONE TYPE FLARING TOOL

BAR CAN BE CHOSEN TO SHOW R410 or TO COLOR WHITE DIRECTION 底座可選漆白字及R410專用
45° STEEL/ALUMINUM RATCHET ECCENTRIC CONE TYPE FLARING TOOL 鐵製及鋁合金棘輪式省力擴管器



Steel 鐵製 (R)

Aluminum 鋁製 (RU)

Set (L, Optional) 整組可選配

** Optional for deburring tool: DT-200/200C/200RA/300/300C/300RA毛邊刀選配

** Optional for O.D. tubing: 6.8.10.12.14.16.18mm選配

ITEM	CH-804R	CH-804RU	CH-804RL	CH-804RUL
MATERIAL 材質	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁
O.D. TUBING	1/4", 3/8", 1/2", 5/8"			
INCLUDE 內含	CH-274 Tube Cutter切管刀 DT-200RA Deburring Tool毛邊刀 Carrying Case 附吹氣盒			

ITEM	CH-805R	CH-805RU	CH-805RL	CH-805RUL
MATERIAL 材質	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁
O.D. TUBING	1/4", 3/8", 1/2", 5/8", 3/4"			
INCLUDE 內含	CH-274 Tube Cutter切管刀 DT-200RA Deburring Tool毛邊刀 Carrying Case 附吹氣盒			

ITEM	CH-806R	CH-806RU	CH-806RL	CH-806RUL
MATERIAL 材質	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁
O.D. TUBING	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"			
INCLUDE 內含	CH-274 Tube Cutter切管刀 DT-200RA Deburring Tool毛邊刀 Carrying Case 附吹氣盒			

ITEM	CH-808R	CH-808RU	CH-808RL	CH-808RUL
MATERIAL 材質	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁
O.D. TUBING	3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"			
INCLUDE 內含	CH-274 Tube Cutter切管刀 DT-200RA Deburring Tool毛邊刀 Carrying Case 附吹氣盒			

ITEM	CH-808RM	CH-808RMU	CH-808RML	CH-808RMUL	CH-809RML	CH-809RMUL
MATERIAL 材質	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁
O.D. TUBING	6, 8, 10, 12, 14, 16, 19				6, 8, 10, 12, 14, 16, 19 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	
INCLUDE 內含	CH-274 Tube Cutter切管刀 DT-200RA Deburring Tool毛邊刀 Carrying Case 附吹氣盒					

偏心式擴管器系列-單向軸承省力型

Single Axial Bearing
Type & Easy-to-Use

LESS POWER, 45° ECCENTRIC CONE TYPE FLARING TOOL

BAR CAN BE CHOSEN TO SHOW R410 or TO COLOR WHITE DIRECTION 底座可選漆白字及R410專用
45° STEEL/ALUMINUM ECCENTRIC CONE TYPE FLARING TOOL 鐵製及鋁合金偏心式省力擴管器



Steel 鐵製 (A)

Aluminum 鋁製 (AU)

Set (L, Optional) 整組可選配

** Optional for O.D. tubing: 6.8.10.12.14.16.18mm選配

ITEM	CH-704A	CH-704AU	CH-704AL	CH-704AUL
MATERIAL 材質	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁
O.D. TUBING	1/4", 3/8", 1/2", 5/8"			
INCLUDE 內含	CH-274 Tube Cutter切管刀 CH-208 Reamer絞刀 Carrying Case 附吹氣盒			

ITEM	CH-705A	CH-705AU	CH-705AL	CH-705AUL
MATERIAL 材質	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁
O.D. TUBING	1/4", 3/8", 1/2", 5/8", 3/4"			
INCLUDE 內含	CH-274 Tube Cutter切管刀 CH-208 Reamer絞刀 Carrying Case 附吹氣盒			

ITEM	CH-706A	CH-706AU	CH-706AL	CH-706AUL
MATERIAL 材質	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁
O.D. TUBING	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"			
INCLUDE 內含	CH-274 Tube Cutter切管刀 CH-208 Reamer絞刀 Carrying Case 附吹氣盒			

ITEM	CH-708A	CH-708AU	CH-708AL	CH-708AUL
MATERIAL 材質	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁
O.D. TUBING	3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"			
INCLUDE 內含	CH-274 Tube Cutter切管刀 CH-208 Reamer絞刀 Carrying Case 附吹氣盒			

ITEM	CH-708M	CH-708MU	CH-708ML	CH-708MUL	CH-709AML	CH-709AMUL
MATERIAL 材質	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁
O.D. TUBING	6, 8, 10, 12, 14, 16, 19				6, 8, 10, 12, 14, 16, 19 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	
INCLUDE 內含					CH-274 Tube Cutter切管刀 CH-208 Reamer絞刀 Carrying Case 附吹氣盒	

偏心式擴管器系列

LESS POWER, 45° ECCENTRIC CONE TYPE FLARING TOOL

BAR CAN BE CHOSEN TO SHOW R410 or TO COLOR WHITE DIRECTION 底座可選漆白字及R410專用
45° STEEL/ALUMINUM ECCENTRIC CONE TYPE FLARING TOOL 鐵製及鋁合金偏心式省力擴管器



Steel 鐵製 (A)

Aluminum 鋁製 (AU)

Set (L, Optional) 整組可選配

** Optional for O.D. tubing: 6.8.10.12.14.16.18mm選配

ITEM	CH-804A	CH-804AU	CH-804AL	CH-804AUL
MATERIAL 材質	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁
O.D. TUBING	1/4", 3/8", 1/2", 5/8"			
INCLUDE 內含	CH-274 Tube Cutter切管刀 CH-208 Reamer絞刀 Carrying Case 附吹氣盒			

ITEM	CH-805A	CH-805AU	CH-805AL	CH-805AUL
MATERIAL 材質	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁
O.D. TUBING	1/4", 3/8", 1/2", 5/8", 3/4"			
INCLUDE 內含	CH-274 Tube Cutter切管刀 CH-208 Reamer絞刀 Carrying Case 附吹氣盒			

ITEM	CH-806A	CH-806AU	CH-806AL	CH-806AUL
MATERIAL 材質	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁
O.D. TUBING	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"			
INCLUDE 內含	CH-274 Tube Cutter切管刀 CH-208 Reamer絞刀 Carrying Case 附吹氣盒			

ITEM	CH-808A	CH-808AU	CH-808AL	CH-808AUL
MATERIAL 材質	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁
O.D. TUBING	3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"			
INCLUDE 內含	CH-274 Tube Cutter切管刀 CH-208 Reamer絞刀 Carrying Case 附吹氣盒			

ITEM	CH-808M	CH-808MU	CH-808ML	CH-808MUL	CH-809AML	CH-809AMUL
MATERIAL 材質	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁
O.D. TUBING	6, 8, 10, 12, 14, 16, 19				6, 8, 10, 12, 14, 16, 19 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	
INCLUDE 內含					CH-274 Tube Cutter切管刀 CH-208 Reamer絞刀 Carrying Case 附吹氣盒	

偏心式擴管器系列-氣動型

WITH 1/2" AIR WRENCH BIT

LESS POWER, 45° ECCENTRIC CONE TYPE FLARING TOOL

BAR CAN BE CHOSEN TO SHOW R410 or TO COLOR WHITE DIRECTION 底座可選漆白字及R410專用
45° STEEL/ALUMINUM ECCENTRIC CONE TYPE FLARING TOOL-AIR WRENCH BIT 鐵製及鋁合金氣動型偏心式擴管器



Steel 鐵製 (B)

Aluminum 鋁製 (BU)

Set (L, Optional) 整組可選配

** Optional for O.D. tubing: 6.8.10.12.14.16.18mm選配

ITEM	CH-804B	CH-804BU	CH-804BL	CH-804BUL
MATERIAL 材質	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁
O.D. TUBING	1/4", 3/8", 1/2", 5/8"			
INCLUDE 內含	CH-274 Tube Cutter切管刀 CH-208 Reamer絞刀 Carrying Case 附吹氣盒			

ITEM	CH-805B	CH-805BU	CH-805BL	CH-805BUL
MATERIAL 材質	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁
O.D. TUBING	1/4", 3/8", 1/2", 5/8", 3/4"			
INCLUDE 內含	CH-274 Tube Cutter切管刀 CH-208 Reamer絞刀 Carrying Case 附吹氣盒			

ITEM	CH-806B	CH-806BU	CH-806BL	CH-806BUL
MATERIAL 材質	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁
O.D. TUBING	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"			
INCLUDE 內含	CH-274 Tube Cutter切管刀 CH-208 Reamer絞刀 Carrying Case 附吹氣盒			

ITEM	CH-808B	CH-808BU	CH-808BL	CH-808BUL
MATERIAL 材質	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁
O.D. TUBING	3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"			
INCLUDE 內含	CH-274 Tube Cutter切管刀 CH-208 Reamer絞刀 Carrying Case 附吹氣盒			

ITEM	CH-808BM	CH-808BMU	CH-808BML	CH-808BMUL	CH-809BML	CH-809BMUL
MATERIAL 材質	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁
O.D. TUBING	6, 8, 10, 12, 14, 16, 19				6, 8, 10, 12, 14, 16, 19 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	
INCLUDE 內含					CH-274 Tube Cutter切管刀 CH-208 Reamer絞刀 Carrying Case 附吹氣盒	

偏心式擴管器系列-棘輪扳手

WITH 1/2" RATCHET WRENCH BIT

LESS POWER, 45° ECCENTRIC CONE TYPE FLARING TOOL

BAR CAN BE CHOSEN TO SHOW R410 or TO COLOR WHITE DIRECTION 底座可選漆白字及R410專用
45° STEEL/ALUMINUM ECCENTRIC CONE TYPE FLARING TOOL- RATCHET WRENCH BIT 鐵製及鋁合金棘輪扳手偏心式擴管器



Steel 鐵製 (W)

Aluminum 鋁製 (WU)

Set (L, Optional) 整組可選配

** Optional for O.D. tubing: 6.8.10.12.14.16.18mm選配

ITEM	CH-804W	CH-804WU	CH-804WL	CH-804WUL
MATERIAL 材質	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁
O.D. TUBING	1/4", 3/8", 1/2", 5/8"			
INCLUDE 內含	CH-274 Tube Cutter切管刀 CH-208 Reamer絞刀 Carrying Case 附吹氣盒			

ITEM	CH-805W	CH-805WU	CH-805WL	CH-805WUL
MATERIAL 材質	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁
O.D. TUBING	1/4", 3/8", 1/2", 5/8", 3/4"			
INCLUDE 內含	CH-274 Tube Cutter切管刀 CH-208 Reamer絞刀 Carrying Case 附吹氣盒			

ITEM	CH-806W	CH-806WU	CH-806WL	CH-806WUL
MATERIAL 材質	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁
O.D. TUBING	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"			
INCLUDE 內含	CH-274 Tube Cutter切管刀 CH-208 Reamer絞刀 Carrying Case 附吹氣盒			

ITEM	CH-808W	CH-808WU	CH-808WL	CH-808WUL
MATERIAL 材質	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁
O.D. TUBING	3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"			
INCLUDE 內含	CH-274 Tube Cutter切管刀 CH-208 Reamer絞刀 Carrying Case 附吹氣盒			

ITEM	CH-808WM	CH-808WMU	CH-808WML	CH-808WMUL	CH-809WML	CH-809WMUL
MATERIAL 材質	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁	Steel 鐵	Aluminum 鋁
O.D. TUBING	6, 8, 10, 12, 14, 16, 19				6, 8, 10, 12, 14, 16, 19 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	
INCLUDE 內含					CH-274 Tube Cutter切管刀 CH-208 Reamer絞刀 Carrying Case 附吹氣盒	

擴管器系列

BEST QUALITY FLARING TOOL



擠壓式擴管及漲管器



▶▶ **CH-604AL**

W/CH-274 tube cutter, CH-208 reamer
1/4", 3/8", 1/2", 5/8" O.D. tubing.

▶▶ **CH-605AL**

W/CH-274 tube cutter, CH-208 reamer
1/4", 3/8", 1/2", 5/8", 3/4" O.D. tubing.

▶▶ **CH-606AL**

W/CH-274 tube cutter, CH-208 reamer
1/4", 5/16", 3/8", 1/2", 5/8", 3/4" O.D. tubing.

▶▶ **CH-608AL**

W/CH-274 tube cutter, CH-208 reamer
3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" O.D. tubing.

▶▶ **CH-608ML**

W/CH-274 tube cutter, CH-208 reamer
6, 8, 10, 12, 14, 16, 19mm O.D. tubing.

**** 6, 8, 10, 12, 14, 16, 18 mm, optional ****



▶▶ **CH-609AML**

W/CH-274 tube cutter, CH-208 reamer
6, 8, 10, 12, 14, 16, 19mm O.D. bar
1/4", 5/16", 3/8", 1/2", 5/8", 3/4" O.D. tubing.

**** 6, 8, 10, 12, 14, 16, 18 mm, optional ****



擠壓式擴管器

▶▶ **CH-203**

Flaring tool
size for 5/8", 3/4", 7/8"
and 1-1/8" O.D. tubing



擠壓式擴管器

▶▶ **CH-195**

for 3/16", 1/4", 5/16", 3/8",
7/16", 1/2" and 5/8" O.D.
tubing.

▶▶ **CH-195M**

for 4, 6, 8, 10, 12, 14 & 16mm
O.D. tubing.

**** 4, 6, 8, 10, 12, 15, 16mm,
optional ****



鑽石型擴管器

▶▶ **CH-504A**

1/4", 3/8", 1/2", 5/8" O.D. tubing.

▶▶ **CH-505A**

1/4", 3/8", 1/2", 5/8", 3/4" O.D. tubing.

▶▶ **CH-506A**

1/4", 5/16", 3/8", 1/2", 5/8", 3/4" O.D. tubing.

▶▶ **CH-508A**

3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" O.D. tubing.

▶▶ **CH-508M**

6, 8, 10, 12, 14, 16, 19mm O.D. tubing.

**** 6, 8, 10, 12, 14, 16, 18 mm O.D. tubing bar optional ****



推擠式鑽石型擴管器

▶▶ **CH-500**

For 3/16", 1/4", 5/16", 3/8",
1/2", 5/8" O.D. tubing.

▶▶ **CH-500M**

For 6, 8, 10, 12, 16mm
O.D. tubing.



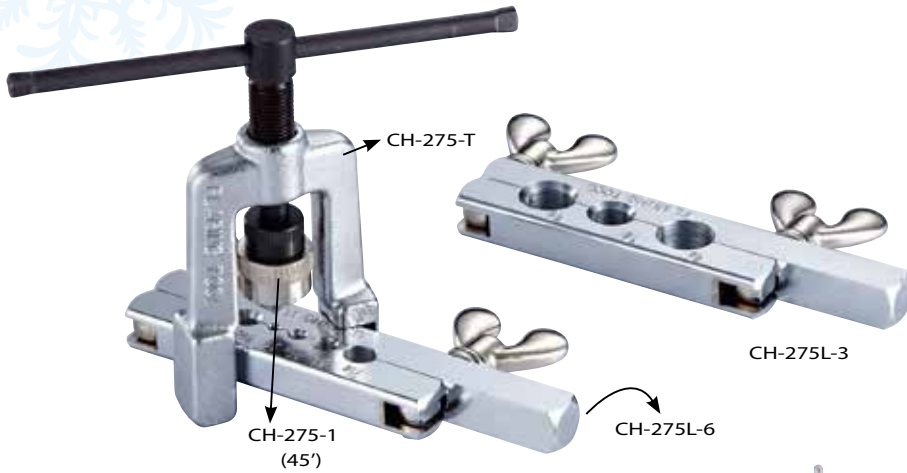
抓式鑽石型擴管器

▶▶ **CH-525**

For 3/16" ~ 5/8" O.D. tubing.
One opening hold for all sizes.

傳統式擴管及漲管器

FLARING TOOL



- ▶▶ **CH-275L**
Same as CH-275 and with hand carrying case.
- ▶▶ **CH-275LM**
Metric size , for 4, 4.75, 6, 8, 10, 12, 14, 16 & 19mm.



- ▶▶ **CH-278L**
Contains of kit : CH-275 flaring & swaging tool. CH-274 tube cutter, CH-122 ratchet wrench in plastic case.
- ▶▶ **CH-278LM**
Contains of kit : CH-275M flaring & swaging tool. CH-274 tube cutter, CH-122mm(6, 8, 10, 12mm) ratchet wrench in plastic case.



- ▶▶ **CH-275**
Flare 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", and 3/4" O.D.
(1/8", 1/4", 3/8", 1/2", 5/8", nom.)
Include 5 swage adapters which cover 3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", (1/8", 1/4", 3/8", 1/2" 5/8" nom.) in plastic box
- ▶▶ **CH-275M**
Metric size, for 4, 4.75, 6, 8, 10, 12, 14, 16 & 19mm.



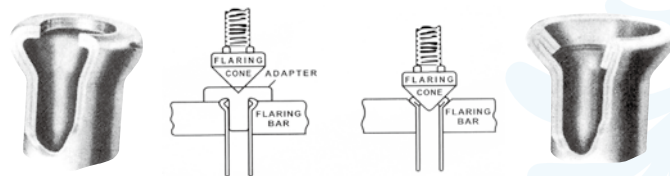
- ▶▶ **CH-1226**
Contains of kit : CH-274 tube cutter CH-195 flaring tool.
- ▶▶ **CH-1226M**
Contains of kit : CH-274 tube cutter CH-195M flaring tool.



- ▶▶ **CH-203L**
CH-203 w/CH-312 cutter & CH-208 Reamer. With hand carrying case.

雙層式擴管器

DOUBLE FLARING TOOL



Screwing down flaring cone with proper adapter, Screwing back flaring cone to remove adapter, flared finished.

- ▶▶ **CH-268FB**
For 3/16", 1/4", 5/16", 3/8", 1/2" O.D. tubing. w/CH-274 & 5 double flare adapters.

手動漲管器系列

MULTI SIZES TUBE EXPANDER



鋁合金漲管頭

ALUMINUM EXPAND HEADS

▶▶ CH-1100AE Aluminum Expand Heads

For 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2", 1-5/8" O.D. tubing.

▶▶ CH-2200AE Aluminum Expand Heads

For 6, 8, 10, 12, 14, 15, 16, 18, 19, 22, 28, 29, 32, 35, 38, 42mm O.D. tubing.



Aluminum 鋁製

Kit includes CH-1100ASH handle (Length is 320mm), DT-200 deburring tool, and CH-1100AE aluminum expand heads. Complete kit in a plastic hand carrying case.

▶▶ CH-1100AS INCH SIZE

Sizes: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"



Aluminum 鋁製

Kit includes CH-1100AH handle (Length is 405mm), DT-200 deburring tool, CH-312 tube cutter 1/4"~1-5/8" and CH-1100AE aluminum expand heads. Complete kit in a plastic hand carrying case.

▶▶ CH-1100A INCH SIZE

Sizes: 3/8", 1/2", 5/8", 3/4", 7/8" & 1"

** OPTIONAL FOR INCH SIZE: 1/4", 5/16", 1-1/8", 1-1/4", 1-1/2", 1-3/8", 1-5/8" **

▶▶ CH-2200A MM SIZE

Sizes: 10, 12, 15, 16, 18 & 22mm

** OPTIONAL FOR MM SIZE: 6, 8, 14, 19, 28, 29, 32, 35, 38 and 42mm **



鐵製漲管頭

STEEL EXPAND HEADS

▶▶ CH-1000E Steel Expand Heads

For 3/8", 1/2", 5/8", 3/4", 7/8", & 1", 1-1/8", 1-1/4", 1-1/2", 1-3/8", 1-5/8" O.D. tubing.

▶▶ CH-2000E Steel Expand Heads

For 10, 12, 14, 15, 16, 18, 19, 22, 28, 35, 42mm O.D. tubing.



Steel 鐵製

Kit include CH-1000H handle, CH-208 plastic reamer 3/16"~1-1/2" (5mm~38mm) Complete kit in a steel hand carrying case.

▶▶ CH-1000 INCH SIZE

6 sizes: 3/8", 1/2", 5/8", 3/4", 7/8" & 1" O.D. tubing.

** Expand heads 1-1/8", 1-1/4", 1-1/2", 1-3/8", 1-5/8" optional **

▶▶ CH-2000 MM SIZE

6 sizes: 10, 12, 15, 16, 18 & 22mm

** Expand heads 14, 19, 28, 35, 42mm, optional **

手動漲管器系列

MULTI SIZES TUBE EXPANDER



Steel 鐵製

Kit includes CH-1000H handle, CH-208 plastic reamer, CH-312 tube cutter 1/4"~1-5/8". Complete kit in a plastic hand carrying case.

▶▶ CH-1000-PC INCH SIZE

6 sizes: 3/8", 1/2", 5/8", 3/4", 7/8" & 1" O.D. tubing.

** Expand heads 1-1/8", 1-1/4", 1-1/2", 1-3/8", 1-5/8" optional **

▶▶ CH-2000-PC MM SIZE

6 sizes: 10, 12, 15, 16, 18 & 22mm O.D. tubing.

** Expand heads 14, 19, 28, 35, 42mm, optional **



Steel 鐵製

Kit includes CH-1000H handle, CH-208 plastic reamer, CH-312 tube cutter 1/4"~1-5/8". Complete kit in a plastic hand carrying case.

▶▶ CH-1000-ALC INCH SIZE

Sizes: 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-3/8" & 1-5/8" O.D. tubing.

** Expand heads 1-1/2" optional **

▶▶ CH-2000-ALC MM SIZE

Sizes: 10, 12, 14, 15, 16, 18, 22, 28, 29, 35 & 42 mm O.D. tubing.

電動漲管器

ELECTRONIC TUBE EXPANDER



Electronic tube expander kit, W/DT-100CRA deburring tool & 1pc plug adapter
Complete kit in a carrying case.
Input : 100~240V 1.5A (50/60 Hz).
Output : DC24V 2.7A

▶▶ CH-1000-EL INCH SIZE

6 sizes: 3/8", 1/2", 5/8", 3/4", 7/8", 1" O.D. tubing.

** Expand heads 1-1/8", 1-1/4", 1-1/2", 1-3/8", 1-5/8" optional **

▶▶ CH-2000-EL MM SIZE

6 sizes: 10, 12, 15, 16, 18, 22mm

** Expand heads 14, 19, 28, 35, 42mm, optional **

PLUG ADAPTER CHOICE:



▶▶ PA-1
AC250V / 10A



▶▶ PA-2
AC250V / 10A



▶▶ PA-3
AC250V / 13A



▶▶ PA-5
AC250V / 10A



▶▶ PA-6
AC250V / 10A

油壓漲管器

HYDRAULIC TUBE EXPANDER



Kit include hydraulic handle, W/CH-209A reamer & CH-274 cutter
Complete kit in a carrying case.

▶▶ CH-1000-HY INCH SIZE

6 sizes: 3/8", 1/2", 5/8", 3/4", 7/8", 1" O.D. tubing.

** Expand heads 1-1/8", 1-1/4", 1-1/2", 1-3/8", 1-5/8" optional **

▶▶ CH-2000-HY MM SIZE

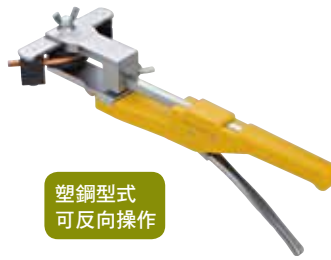
6 sizes: 10, 12, 15, 16, 18, 22mm

** Expand heads 14, 19, 28, 35, 42mm, optional **

推進式多功能彎管器組系列

TUBE BENDER KIT

Fit for over 0.8mm thickness copper tube, over 1/2" copper tube must over 0.8mm thickness. Otherwise, the copper tube is easy to be sunk after bending. 適用於厚度0.8mm以上的軟管。
Suitable for soft copper tube. Hard copper tube must be soft annealed before bending. 使用硬銅管前請先退火軟化再操作。



塑鋼型式
可反向操作

▶▶▶ CH-404RL

W/reverse direction bending
Size: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8"
O.D. tubing

▶▶▶ CH-505RM

w/reverse direction bending
Size: 6, 8, 10, 12, 14, 16, 18, 22mm



反向座

▶▶▶ CH-404RL-AD



鋁合金型式

** Colorful aluminum bending form wheel **

▶▶▶ CH-404ARL

W/ reverse parts +
CH-274A cutter + CH-208 reamer
Size: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8"
O.D. tubing.



塑鋼型式

▶▶▶ CH-404BL

Size: 3/8", 1/2", 5/8", 3/4", 7/8" & 1-1/8"
O.D. tubing

▶▶▶ CH-505BM

Size: 12, 14, 16, 18, 22, 29mm



塑鋼型式



▶▶▶ CH-404L 塑鋼型式

For bending 3/8", 1/2", 5/8", 3/4" and 7/8" soft tubings. Bending worked by ratchet which can save power and do more efficiency bending. Complete set includes 5 bending form wheels, tube cutter and reamer in a hand carrying case.

▶▶▶ CH-404AL 鋁合金型式

W/colorful ALUMINUM bending form wheels.

▶▶▶ CH-505M 塑鋼型式

For bending 8, 10, 12, 14, 16, 18, 22mm soft tubings. Bending worked by ratchet which can save power and do more efficiency bending. Complete set in a hand carrying case. Fit for over 0.8mm copper tube.

** Soft tubing ratchet 15mm, 20mm, optional **

彎管器系列

Suitable for soft copper tube. 使用於軟銅管

MULTI SIZES TUBE BENDER



180° 3合1
鋁合金彎管器

- ▶▶ CH-367 3-IN-1 TUBE BENDER
For 1/4" 5/16", 3/8" O.D. tubing with fixed hook, bends up to 180°.
- ▶▶ CH-367M 3-IN-1 TUBE BENDER
For 6mm, 8mm, 10mm O.D. tubing with fixed hook, bends up to 180°.



90° 3合1
鋁合金彎管器

- ▶▶ CH-368 3-IN-1 TUBE BENDER
For 1/4", 5/16", 3/8" O.D. tubing 90° degree bent.
- ▶▶ CH-368M 3-IN-1 TUBE BENDER
For 6mm, 8mm, 10mm O.D. tubing 90° degree bent.



180° 4合1
塑鋼纖維彎管器

- ▶▶ CH-369 4-IN-1 TUBE BENDER
For 3/16", 1/4", 5/16", 3/8" & 5mm, 6mm, 8mm, 10mm O.D. tubing 180° bent.



槓桿型彎管器

- ▶▶ CH-364-04-1/4"
- ▶▶ CH-364A-6mm
For 1/4" / 6mm O.D. tubing 180° degree bent.
- ▶▶ CH-364-05-5/16"
- ▶▶ CH-364A-8mm
For 5/16" / 8mm O.D. tubing 180° degree bent.



槓桿型彎管器

- ▶▶ CH-364-06-3/8"
- ▶▶ CH-364A-10mm
For 3/8" / 10mm O.D. tubing 180° degree bent.
- ▶▶ CH-364-08-1/2"
- ▶▶ CH-364A-12mm
For 1/2" / 12mm O.D. tubing 180° degree bent.



白鐵軟管彎管器

Only for copper, brass, aluminum and stainless steel tube which thickness is below 1mm and soft.

適合厚度1mm以下

- ▶▶ CH-366A-04-1/4"
- ▶▶ CH-366M-06mm
For 1/4"/6MM O.D tubing. 9/16" radius to center of tube
- ▶▶ CH-366A-05-5/16"
- ▶▶ CH-366M-08mm
For 5/16"/8mm. O.D tubing. 11/16" radius to center of tube
- ▶▶ CH-366A-06-3/8"
- ▶▶ CH-366M-10mm
For 3/8"/10mm O.D tubing. 15/16" radius to center of tube
- ▶▶ CH-366A-08-1/2"
- ▶▶ CH-366M-12mm
For 1/2"/12mm O.D tubing. 1-1/2" radius to center of tube



槓桿型彎管器

- ▶▶ CH-364-10-5/8"
- ▶▶ CH-364A-16mm
For 5/8" / 16mm O.D. tubing 180° degree bent.
- ▶▶ CH-364-12-3/4"
- ▶▶ CH-364A-19mm
For 3/4" / 19mm O.D. tubing 180° degree bent.
- ▶▶ CH-364-14-7/8"
- ▶▶ CH-364A-22mm
For 7/8" / 22mm O.D. tubing 180° degree bent.



180° 4合1 鋁合金彎管器

- ▶▶ CH-366 4-IN-1 BENDER
For 3/16" 1/4", 5/16", 3/8" O.D. tubing
With fixed hook, bends up to 180°.

彎管器組

適用於軟管

TUBE BENDER KIT



- ▶▶ CH-364L
Kit for bending 1/4", 5/16", 3/8", 1/2", 5/8" w/carrying box.
- ▶▶ CH-364LM
Kit for bending 6, 8, 10, 12, 16 mm w/carrying box.

經濟型彎管器

適用於軟管

ECONOMICAL TYPE



組合示意圖



- ▶▶ CH-365
For 1/4", 3/8", 1/2", 5/8" O.D. tubing
** 5/16" is optional **
- ▶▶ CH-365M
For 8, 10, 12, 16 mm O.D. tubing
** 6, 14, 15mm is optional **

切管刀

TUBE CUTTER



Rubber Handle 橡膠握把

▶▶▶ **CH-274A**
1/8"~1-1/8" O.D. tubing



Rubber Handle 橡膠握把

▶▶▶ **CH-312A**
1/4"~1-5/8" O.D. tubing



Rubber Handle 橡膠握把

軸承式切刀
AXLE BEARING TYPE
▶▶▶ **CH-312ARB**
1/4"~1-5/8" O.D. tubing



▶▶▶ **CH-206**
Capacity : 3/8"~2-5/8" O.D. tubing
Aluminum alloy body, chrome plated finish and sand with spare cutting blade.



▶▶▶ **CH-274**
Capacity : 1/8"~1-1/8" O.D. tubing
Aluminum alloy body, chrome plated finish and sand blast with a spare cutting blade.



▶▶▶ **CH-312**
Capacity : 1/4"~1-5/8" O.D. tubing
Aluminum alloy body, chrome plated finish and sand blast with a spare cutting blade.



快速型切管刀
▶▶▶ **CH-206A**
6~67mm / 1/4"~2-5/8" O.D. tubing



▶▶▶ **CH-104**
Capacity : 1/4"~1-1/4" O.D. tubing
Aluminum alloy body, red color painted with a spare cutting blade.



▶▶▶ **CH-105**
Capacity : 1/8"~1-3/8" O.D. tubing
Aluminum alloy body, silver color painted with a spare cutting blade.



▶▶▶ **CH-107**
Capacity : 1/4"~2" O.D. tubing
Aluminum alloy body, silver color painted with a spare cutting blade.



▶▶▶ **CH-2616**
3~16mm / 1/8"~5/8" O.D. tubing



▶▶▶ **CH-2622**
6~22mm / 1/4"~7/8" O.D. tubing



▶▶▶ **CH-2629**
3-28mm / 1/8"~1-1/8" O.D. tubing



▶▶▶ **CH-127**
Capacity : 1/8"~5/8" O.D. tubing
Zinc alloy body, zinc plated finish

刀片組

CUTTING BLADE KIT

▶▶ CH-235 Customize combination is available!!

NO.	ITEM	QTY	DESCRIPTION	O.D.	I.D.	THICKNESS
1	DT-100-BT	5	For DT-100, DT-100S			
2	CH-206B	2	For CH-206	18.78mm	5mm	6.25mm
3	CH-127B	5	For CH-127	15.22mm	4.8mm	3mm
4	CH-104B	5	For CH-104/107	18mm	4.8mm	3mm
5	CH-274B	5	For CH-274/312	17.5mm	4.7mm	6.18mm
6	CH-274A-TB	5	For CH-274A/312A/105	15.85mm	4.8mm	3.1mm
OPTIONAL	CH-2616-TB		For CH-2616/2622/2629	17.85mm	4.8mm	5.9mm
	CH-206A-TB		For CH-206A	18.4mm	4.7mm	5.9mm
	CH-312ARB-TB		For CH-312ARB	15.85mm	4.8mm (W/Axle bearing)	3.1mm



HSS 刀片組

HSS BLADES KIT FOR TUBE CUTTER

可任意搭配尺寸



▶▶ TCH-BTSET

CH-104-TBHSS × 5PCS
CH-274-TBHSS × 5PCS
CH-274A-TBHSS × 5PCS

NO.	ITEM	DESCRIPTION	O.D.	I.D.	THICKNESS
1	CH-104-TBHSS	For CH-104 & 107	18mm	4.8mm	3mm
2	CH-274-TBHSS	For CH-274 & 312	17.5mm	4.7mm	6.18mm
3	CH-274A-TBHSS	For CH-274A/312A/105	15.85mm	4.8mm	3.1mm
4	CH-206A-TBHSS	For CH-206A/2616/2622/2629	18.4mm	4.7mm	5.9mm

Customize combination is available!!
Optional: single packing or 3-IN-1 packing.

省力式塑膠硬管剪

PVC PIPE CUTTER



▶▶ CH-KMS14
63mm pro PVC pipe cutter.
Size enlarged & easy to maneuver.



▶▶ CH-KMS17
38mm PVC pipe cutter.
▶▶ CH-KMS18
42mm PVC pipe cutter.



▶▶ CH-KMS09
42mm pro PVC pipe cutter.
▶▶ CH-KMS10
63mm pro PVC pipe cutter.
▶▶ CH-KMS11
30mm pro PVC pipe cutter.



▶▶ CH-42
Professional PVC cutter capacity up to 42mm.
▶▶ CH-35
Professional PVC cutter capacity up to 35mm.

切管刀

CUTTER



塑膠軟管剪

▶▶ CH-2166
26mm auto-open tubing cutter.



塑膠軟管剪

▶▶ CH-KMS15
38mm pro PVC pipe cutter.



毛細管剪刀

CAPILLARY TUBE CUTTER

▶▶ CH-128L
Special steel forging capillary shape. Suitable for cutting wire and tube. The maximum diameter is 4mm.



毛細管剪刀

CAPILLARY TUBE CUTTER

▶▶ CH-128
Cuts all sizes of capillary tubes without collapsing nor swaging the tubes.

毛邊刀

SUJ2 BLADE

DEBURRING TOOL



迷你型易攜帶 / 塑膠握把



可換刀片
鋁料握把



固定式刀片
鋁料握把

▶▶ DT-100S

- *Small size
- *Easy carry with 5 colors
- *For inner of tube

▶▶ DT-100SC

- *Small size
- *Easy carry with 5 colors
- *For lateral of tube, inner & outer of tube at one deburring

▶▶ DT-100SRA

- *Small size
- *Easy carry with 5 colors
- *For small or corner of tube

▶▶ DT-200SET

- Blade replaceable
- Large & easy Hold
- Aluminum handle with shiny painting

▶▶ DT-300SET

- Pocket type with a clip
- Aluminum body



▶▶ DT-200
Red color,
For inner of tube



▶▶ DT-200C
Yellow color,
For lateral of tube, inner & outer of tube at one deburring



▶▶ DT-200RA
Blue color,
For small or corner of tube



▶▶ DT-300
Red color,
For inner of tube



▶▶ DT-300C
Yellow color,
For lateral of tube, inner & outer of tube at one deburring



▶▶ DT-300RA
Blue color,
For small or corner of tube



塑膠握手可內裝刀片

- ▶▶ DT-100
- *Plastic yellow handle
 - *With a spare blade
 - *For inner of tube



- ▶▶ DT-100RA
- *Plastic Yellow Handle
 - *With a Spare Blade
 - *For small or corner of tube



- ▶▶ DT-100C
- *Plastic yellow handle
 - *With a spare blade
 - *For lateral of tube, inner & outer of tube at one deburring



- ▶▶ DT-100CRA
- *Plastic orange handle
 - *Blade replaceable w/3 kinds of blades

毛邊刀刀片組

BLADES KIT FOR DEBURRING TOOL



- ▶▶ DT-BTSET
- DT-100-BTSUJ2 ×5PC
 - DT-200C-BT ×5PC
 - DT-200RA-BT ×5PC

1	2	3
DT-100-BTSUJ2	DT-200C-BT	DT-200RA-BT
*General type blade *For inner of tube	*C type blade *For lateral of tube, inner & outer of tube at one deburring	*RA type blade *For small or corner of tube
Optional: single packing or 3-IN-1 packing.		

絞刀

INNER-OUTER REAMER

REAMS BOTH INSIDE AND OUTSIDE EDGES OF TUBING



▶▶▶ **CH-208**
Plastic body, (塑膠)
3/16"~1-1/2" O.D.

▶▶▶ **CH-209**
Zinc body, (鋅合金)
1/4"~1-5/8" O.D.



▶▶▶ **CH-209A**
Aluminum body, (鋁合金)
SCM440 blade
(紅十字材質安全刀片)
3/16"-1-3/8" O.D.

▶▶▶ **CH-209AL** (大尺寸)
Aluminum body, (鋁合金)
SCM440 blade
5/16"2-1/8" O.D.

安全刀片

扭力扳手工具

TORQUE WRENCH TOOL



棘輪式扳手

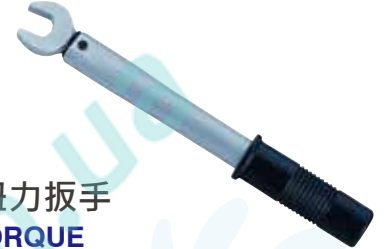
▶▶▶ **CH-112**
Ratchet wrench 1/2"DR.,
length: 242mm.



附膠把棘輪式扳手

▶▶▶ **CH-112P**
Ratchet wrench 1/2"DR.,
length: 250mm.

TORQUE



單一尺寸扭力扳手

▶▶▶ **FIXED TORQUE**

ITEM NO.	DRIVER	RANGE	L mm	kg
CH-STW-H17	17mm	18 Nm	220	0.36
CH-STW-H22	22mm	42 Nm	230	0.39
CH-STW-H24	24mm	55 Nm	230	0.39
CH-STW-H26	26mm	55 Nm	290	0.52
CH-STW-H27	27mm	65 Nm	290	0.52
CH-STW-H29	29mm	65 Nm	295	0.53



組合式扭力扳手

▶▶▶ **CH-STW-07**
Sizes : 17, 22, 24, 26, 27, 29mm.
** 19, 25, 28, 32mm is optional **



TORQUE

組合式扭力扳手

▶▶▶ **CH-STW-80N8**
Interchangeable torque wrench
Kit 15-80 Nm
1/2"Dr. ratchet head
Open ended heads: 17, 22, 24,
26, 27, 29mm and 1 pc ratchet
head.



套筒式扭力扳手

▶▶▶ **CH-210N11**
1-1/2"DR Torque wrench kit 40-210 Nm
w/6pcs 1/2" socket: 17, 19, 21, 22, 24 & 27 mm
w/4pcs 1/2" hex socket bit: 6, 8, 10, 12 mm
▶▶▶ **CH-150F11**
1-1/2"DR Torque wrench kit 30-150 ft.lb
w/6pcs 1/2" socket: 17, 19, 21, 22, 24 & 27 mm
w/4pcs 1/2" hex socket bit: 6, 8, 10, 12 mm

萬用離合器工具

UNIVERSAL A/C CLUTCH
HOLDING TOOL



▶▶▶ **CH-N001T**
Hold compressor clutch plate for
retaining nut remove & installation.

離合器拆卸工具組

CLUTCH REMOVE
INSTALL TOOL



▶▶▶ **CH-249**
For SD, GM, ford, chrysler
complete kit in a blow plastic case.

壓縮機工具組

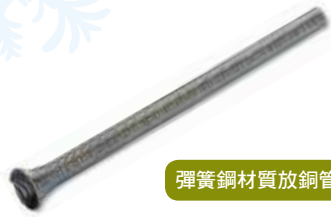
A/C COMPRESSOR
CLUTCH REMOVER KIT



▶▶▶ **CH-248**
Replace clutches
found on Fs6,
C171, 6P & 148
computer.
Also GM R4 & A6,
HR-6, DA-6 & V5 A
/ C compressors.
And compressors of
sanden Sd505,
507, 508, 510,
575, 708 and 709.
2 & 3 hole puller
plate fits most
clutches, the
mechanical force
does the pulling
job.

彈簧彎管器

SPRING BENDER



彈簧鋼材質放銅管外



白鐵材質放置銅管內

- ▶▶▶ CH-102-04
Size 1/4" length 10"
- ▶▶▶ CH-102-05
Size 5/16" length 10"
- ▶▶▶ CH-102-06
Size 3/8" length 10"
- ▶▶▶ CH-102-08
Size 1/2" length 12"
- ▶▶▶ CH-102-10
Size 5/8" length 14"
- ▶▶▶ CH-102-12
Size 3/4" length 14"
- ▶▶▶ CH-102-14
Size 7/8" length 14"

- ▶▶▶ CH-202-06IN150
Size 3/8" length 150cm
- ▶▶▶ CH-202-08IN150
Size 1/2" length 150cm
- ▶▶▶ CH-202-10IN150
Size 5/8" length 150cm
- ▶▶▶ CH-202-12IN150
Size 3/4" length 150cm
- ▶▶▶ CH-202-06IN250
Size 3/8" length 250cm
- ▶▶▶ CH-202-08IN250
Size 1/2" length 250cm
- ▶▶▶ CH-202-10IN250
Size 5/8" length 250cm
- ▶▶▶ CH-202-12IN250
Size 3/4" length 250cm

** Customized length **
 ** 304 Stainless steel; inside copper tube usage **
 ** 可依客戶須求特製長度 **

沖仔組

SWAGING PUNCH



- ▶▶▶ CH-95
5-in-1 punch
Swaging punch
for 1/4", 5/16", 3/8",
1/2" & 5/8" O.D.



- ▶▶▶ CH-95M
5-IN-1
For 8, 10, 12,
14, 16mm O.D.
- ▶▶▶ CH-94
3-IN-1
For: 1/2", 5/8",
And 7/8" O.D.
- ▶▶▶ CH-96
3-IN-1
For: 5/8", 7/8",
And 1-1/8" O.D.



- ▶▶▶ CH-193
Swaging punch for
1/4", 5/16", 3/8", 1/2" &
5/8" O.D. tubing.
- ▶▶▶ CH-93-03 (3/16")
- ▶▶▶ CH-93-04 (1/4")
- ▶▶▶ CH-93-05 (5/16")
- ▶▶▶ CH-93-06 (3/8")
- ▶▶▶ CH-93-08 (1/2")
- ▶▶▶ CH-93-10 (5/8")
- ▶▶▶ CH-93-12 (3/4")

手工具系列

SERVICE TOOL



- 散熱刷
- ▶▶▶ CH-352
FIN STRAIGHTENER
Fin straightener stainless
steel, can clean & straighten
evaporator fin.



- 散熱刷
- ▶▶▶ CH-352L
Fin straightener with
PVC handle.



- 散熱刷
- ▶▶▶ CH-351
FIN STRAIGHTENER
Fin straightener 8,9,10,12,14,15
spacing per inch.
can make with green handle if
require.



- 電纜線皮刀
- ▶▶▶ CH-65
CABLE CUTTER
Blade: 65mm

扳手工具組

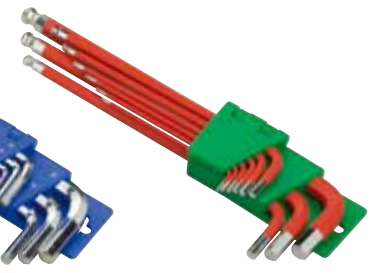
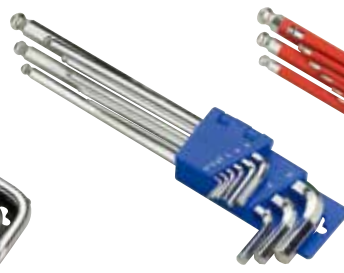
HIGH QUALITY HEX/TORX WRENCH



- CRV-6150 double foldout / HEX type
- ▶▶▶ CH-HM Red color handle
Size: 1.5, 2, 2.5, 3, 4, 5, 6mm
- ** ⊕SL or ⊕PH type / NI material is available **



- CRV-6150 cover, TORX type
- ▶▶▶ CH-TW-NI Ni plated
Size: T10, T15, T20, T25, T27, T30, T40, T45, T50
- ** Other color painted / S2, 8860 material is also available **



- CRV 6150 cover HEX type
- ▶▶▶ CH-HW-NI Ni plated
- ▶▶▶ CH-HW-R Red color painted
- ▶▶▶ CH-HW-B Blue color painted
Size: 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm

棘輪扳手工具

OPENING SINGAL ENDED RATCHET WRENCH



▶▶ CH-122
4 size : 1/4", 3/8", 3/16",
5/16" Square ratchet.



弧型棘輪式
▶▶ CH-122L
4 size : 1/4", 3/8", 3/16", 5/16"
Square ratchet with curve
shape handle.



▶▶ CH-123
4 size : 1/4", 3/16", square
9/16", 1/2" hex ratchet.

弧型棘輪式

▶▶ CH-123L
4 size : 1/4" 3/16", square
9/16", 1/2" hex ratchet.
with curve shape handle.



圓管扳手
▶▶ CH-210A
Can be used on pneumatic & hydraulic
connections such as brake pipes.
SIZE: 10, 11, 13, 17, 19, 22 mm.
** 12,14 mm is optional **
** 24,27,30,32 mm Individual sells only **



▶▶ CH-916
SIZE: 9/16"
** 13,14 mm is optional **

鐵片剪刀

AVIATION/OFFSET SNIP

- Material: CRM-63 steel blades
- Blade: Black phosphate finish resists rust
- Hardness: 58-63HRC
- Packing: sliding card packed
- Maximum 1.2mm thickness



▶▶ CH-RC1
Left-cut, red handle



▶▶ CH-RC2
Right-cut, green handle



▶▶ CH-RC3
Straight-cut, yellow handle



▶▶ CH-RC4
Offset snip, laborsaving cutting
Solid and comfortable handle
with non-slip design

圓管 C 型夾

COCKING "C"



▶▶ CH-RC5
Locking "c" round clamp
Multipurpose 48mm~100mm

鐵板夾鉗

CLAMP



▶▶ CH-306
Locking "c" clamps
Size: 6", 11", 18"

鎖鏈夾

LOCKING CHAIN CLAMP



▶▶ CH-316
SIZE: 19" chain

鉗子

LOCKING PLIERS



冷媒回收鉗
▶▶ CH-308
Refrigerant recovery tool
INSTA-TAP.8"

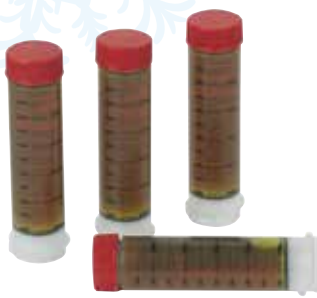


萬能鉗
▶▶ CH-305
Curved jaws size: 5", 7", 10"
Drop forged steel jaws
CR-V steel jaws



封口鉗
▶▶ CH-201 PINCH OFF PLIER
Pinch off plier 7" can pinch
off copper tubing instantly.

UV探測工具 UV INSPECTION KIT



萬用冷媒螢光劑

*適用各種冷媒，不傷冷氣系統

▶▶ T-R-16356

- *Universal A/C dye ROBINAIR - four replacement cartridges
- *Four twist-on cartridges, 1 oz. (30ml) each
- *Enough dye for 20 applications



萬用冷媒螢光劑

*適用各種冷媒，不傷冷氣系統

▶▶ T-R-16357

- *Universal A/C dye ROBINAIR - six replacement cartridges
- *Six twist-on cartridges, 1/4 oz. (7.5ml) each
- *Enough dye for 6 applications



▶▶ T-R-16253

*適用於車用冷氣系統

R134a Leak detection dye robinair tracker, for use with all PAG oil refrigerant systems, including R134a (7.39ml/bottle, 12 bottles/small box)



▶▶ CH-035

- **Waterproof
- **Super bright 5UV-LEDS
- **Auto locked ON/OFF
- **Safety goggle included
- **Operated with 3xAA battery
- **Complete kit in a blow case

接管工具

SPRING LOCK COUPLING TOOL



▶▶ CH-TO68

Spring lock coupling tool FOR 3/8", 1/2", 5/8", 3/4" 4 Color per set



▶▶ CH-SL7

Fuel line disconnect tool set SIZE: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8"

閥蕊裝拆工具

CORE TOOL



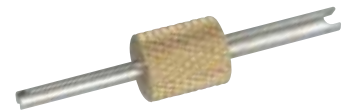
▶▶ CH-1213

Steel material body



▶▶ CH-1213AL

Aluminum material body Steel material tube easy carry with 4PCS.



▶▶ CH-1213B

Bronze body Steel material tube.



▶▶ CH-1213P

Plastic handle steel material tube. Blister packed for green*1 & red*1



▶▶ CH-1213CV

Steel material, W/ 4*PCS of CH-9520C valve core

** valve core are optional **

測漏注射工具

OIL/UV LEAK DETECTION INJECTOR



▶▶ CH-345

1/4" F.F. x 1/4" M.F.

▶▶ CH-346

1/2" F. ACME x 1/2" M. ACME



▶▶ CH-347

1/4" M.F. W/shut-off ball valve QC-12L Quick connect style

閥蕊移除 / 安裝工具

VALVE CORE REMOVER / INSTALLER



▶▶ CH-19BV 1/4"

W/1/4" M.F x 5/16" F.F adapter



▶▶ CH-19BV-CV 1/4"

W/1/4" M.F x 5/16" F.F adapter
charging valve

閥蕊移除 / 安裝工具修理包組

VALVE CORE INSTALLER/REMOVER KIT

▶▶ CH-19BVKIT



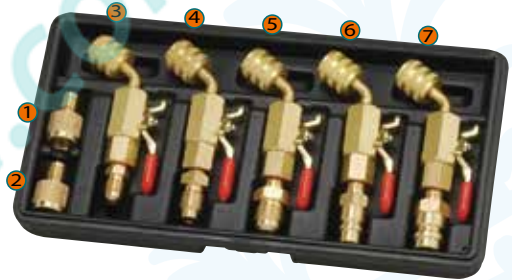
NO.	ITEM	Q'ty	Description
1	CH-19BV w/ adapter	1	Valve core remover/installer w/1/4" M.F. x 5/16" F.F. adapter
2	CH-9520C	10	Valve core
3	0GB79583P1	10	1/4" SAE Depressor
4	0R501-3	20	1/4" SAE Hose gasket
5	0R9134-4	20	5/16" SAE Hose gasket

球閥開關接頭組

SHUT - OFF BALL VALVE FITTING / ADAPTER

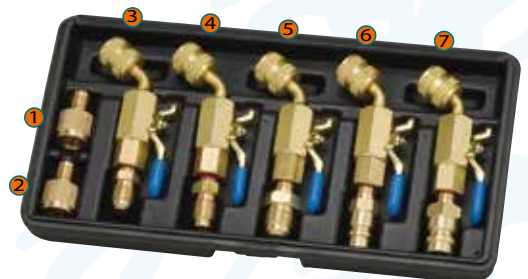
CH-16BV-SET

Item No.	Description
1. CA-05 x 04 CV	5/16"F. SAE x 1/4"M. SAE w/valve core
2. CA-04 x 05 CV	1/4"F. SAE x 5/16"M. SAE w/valve core
3. CH-16BV - 04 x 05	1/4"M. SAE x 5/16" SAE 45° solder
4. CH-16BV - 08 x 05	1/2"M. ACME x 5/16" SAE 45° solder
5. CH-16BV - 06 x 05	3/8"M. SAE x 5/16" SAE 45° solder
6. CH-16BV - L x 05	Quick coupler low side x 5/16" SAE. 45° solder
7. CH-16BV - H x 05	Quick coupler high side x 5/16" SAE. 45° solder



CH-17BV-SET

Item No.	Description
1. CA-05 x 04 CV	5/16"F. SAE x 1/4"M. SAE w/valve core
2. CA-04 x 05 CV	1/4"F. SAE x 5/16"M. SAE w/valve core
3. CH-17BV - 05 x 04	5/16"M. SAE x 1/4" SAE 45° solder
4. CH-17BV - 08 x 04	1/2"M. ACME x 1/4" SAE 45° solder
5. CH-17BV - 06 x 04	3/8"M. SAE x 1/4" SAE 45° solder
6. CH-17BV - L x 04	Quick coupler low side x 1/4" SAE. 45° solder
7. CH-17BV - H x 04	Quick coupler high side x 1/4" SAE. 45° solder



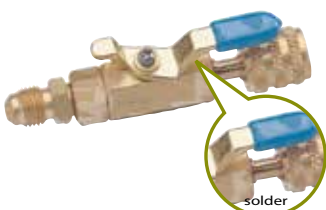
CH-18BV-SET

Item No.	Description
1. CA-05 x 04 CV	5/16"F. SAE x 1/4"M. SAE w/valve core
2. CA-04 x 05 CV	1/4"F. SAE x 5/16"M. SAE w/valve core
3. CH-18BV - 04 x 08	1/4"M. SAE x 1/2"F. ACME 45° solder
4. CH-18BV - 05 x 08	5/16"M. SAE x 1/2" .F. ACME 45° solder
5. CH-18BV - 06 x 08	3/8"M. SAE x 1/2" .F. ACME 45° solder
6. CH-18BV - L x 08	Quick coupler low side x 1/2" ACME. 45° solder
7. CH-18BV - H x 08	Quick coupler high side x 1/2" ACME. 45° solder



球閥開關

SHUT-OFF VALVE FOR ANY TYPE OF FREON



▶▶ CH-15BV-SH

1/4" male x 1/4" female

▶▶ CH-15BV-IT

5/16" male x 5/16" female

** CH-15BV-SH & CH-15BV-IT has red/yellow/blue rubber cap.**



▶▶ CH-15BV-SHA

1/4" male x 1/4" male

▶▶ CH-15BV-ITA

5/16" male x 5/16" male

** CH-15BV-SHA & CH-15BV-ITA has red/yellow/blue rubber cap.**

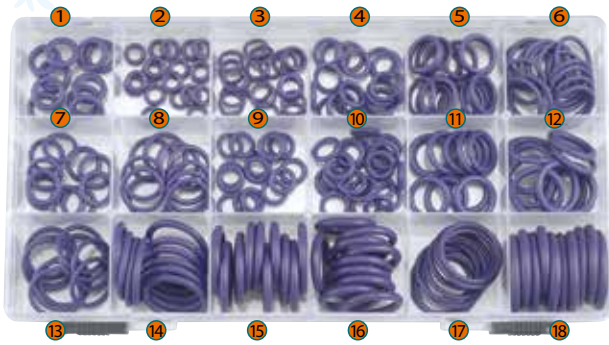
中小型車用墊圈修理組 / 修理包組

HOSE-SEAL, GASKET & CORE KIT

▶▶ D005

O-RING KIT(TOTAL 265PCS)

** For general small car & middle truck **



1	2	3	4	5	6
Expansion valve 20pcs	Expansion valve 20pcs	5/16" 20pcs	3/8" 20pcs	1/2" 20pcs	5/8" 20pcs
7	8	9	10	11	12
3A universal 10pcs	5A universal 10pcs	7/16" 15pcs	3 20pcs 6.8 x 1.9mm	4 10pcs 10.8 x 2.4mm	5 10pcs 13.8 x 2.4mm
13	14	15	16	17	18
3/4" 10pcs	6 10pcs 18.72 x 2.62mm	General H 10pcs	General L 10pcs	PEUGEOT VOLKSWAGEN 10pcs	HYUNDA FORD GM CITROEN MITSUBISHI 10pcs

▶▶ D004

HNBR O-RING kit 8 sizes
240 pcs metric units



1	2	3	4
6.07 x 1.78 40PCS	8.8 x 1.9 40PCS	10.6 x 2.4 30PCS	10.9 x 1.9 30PCS
5	6	7	8
13.7 x 1.9 30PCS	15 x 1.8 30PCS	13.8 x 2.5 20PCS	17 x 2.5 20PCS



▶▶ CH-79583-PT

Hose seal teflon gasket, 3pcs 1/4" SAE teflon gasket and 1pc brass depressor.
Teflon size:8.1x4.6x7.5mm

▶▶ CH-79583-PTN

Hose seal teflon gasket, 3pcs 1/4" SAE teflon gasket and 1pc brass depressor.
Teflon size:7.7x4.9x7.4mm



▶▶ CH-79583

Hose seal gasket, 3pcs gaskets and 1pc thread brass depressor.

▶▶ CH-79586

Hose seal gasket, 6pcs gaskets and 1pc thread brass depressor.



▶▶ CH-79583-P1

Hose seal gasket, 3pcs gaskets and 1pc thread brass depressor.



▶▶ AS-GK04 1/4"

2pcs o-ring (one is 1/4"), 1pc spacer, 1pc thread brass depressor, 1pc spring and 1pc clamp ring.

▶▶ AS-GK05 5/16"

2pcs o-ring (one is 5/16"), 1pc spacer, 1pc thread brass depressor, 1pc spring and 1pc clamp ring.

▶▶ CH-238



NO.	ITEM	QTY	DESCRIPTION
1	ORQCL-3	10	for QC-L
2	ORQCH-3	10	for QC-H
3	ORQC-3	10	for QC-12L
4	ORQC-4	10	for QC-12H
5	OR340-2	10	for CH-340
6	OR146	10	for CH-146 CA-04 x 06 CA-04 x 08
7	ORVCR	10	for VCR-04
8	OR501-3	15	for R12 1/4" SAE Hose gasket
9	OR9134-4	10	for R410 5/16" SAE Hose gasket
10	OR501-3H	15	for R134. R410 1/4" SAE Hose gasket

萬用管路 / 測漏接頭組

A/C UNIVERSAL PIPELINE CLEANING AND LEAK CONNECTOR

▶▶ CH-AD-SET



閥蕊拆裝修理包組

HOSE-SEAL, GASKET & CORE KIT

▶▶ CH-236



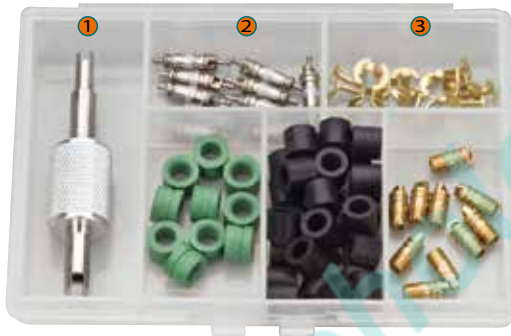
NO.	ITEM	QTY	DESCRIPTION
1	CH-9520C	10	Valve cores
2	CH-9800	10	R134 Valve cores
3	CH-L08	5	8mm Low side
4	CH-V066	5	For Peugeot / Volvo
5	CH-H10	5	10mm High side
6	CH-GMH	5	for GM high
	CH-1213P	1	Valve core remover

▶▶ CH-237



NO.	ITEM	QTY	DESCRIPTION
1	CH-1213AL	1	Valve core remover
2	CH-9520C	10	Valve cores
3	CH-9800	10	R134 Valve core
4	OR9134-4	10	R410 5/16" SAE hose gasket
5	OR501-3	30	R12 1/4" SAE hose gasket
6	OGB79583	10	1/4" SAE depressor

▶▶ CH-239



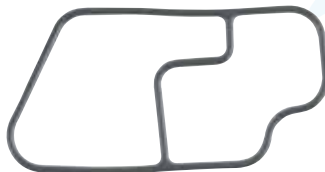
NO.	ITEM	QTY	DESCRIPTION
1	CH-1213AL	1	Valve core remover
2	CH-9520C	10	Valve cores
3	OGB79583P1	10	1/4" SAE depressor
4	OR9134-4	10	R410 5/16" SAE hose gasket
5	OR501-3	30	R12 1/4" SAE hose gasket
6	OGB79583	10	1/4" SAE depressor

車用/墊片&蓋子組

HOSE-SEAL, GASKET & CORE KIT



▶▶ **OR386**
Gasket-for ND
10PA15C, 10PA17C

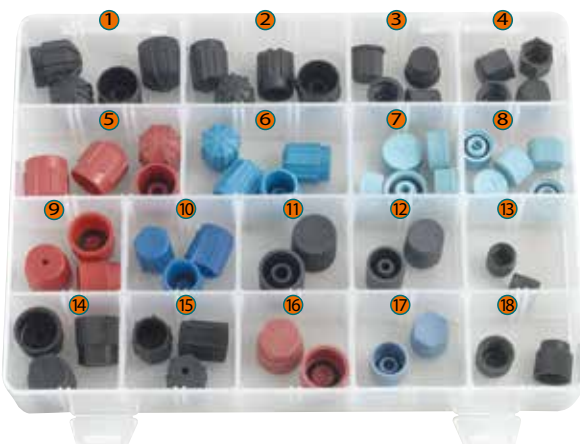


▶▶ **ORTS**
Gasket for ALTI5 & (NEW)
SAAB 93.95 CAMRY-2400c.
c.&2500c.c.2007



▶▶ **ORBENZ**
Gasket-for BENZ

▶▶ CH-CP58 CAP KIT



1	2	3	4
M10xP1 black (CH-CP01) 4pcs	M8xP1 black (CH-CP02) 4pcs	1/4" black (CH-CP03) 4pcs	1/4" black (CH-CP04) 4pcs
5	6	7	8
M10xP1 red (CH-CP05) 4pcs	M8xP1 blue (CH-CP06) 4pcs	M10xP1.25 blue high side (CH-CP07) 5pcs	M9xP1 blue low side (CH-CP08) 5pcs
9	10	11	12
8Tx17F red high side (CH-CP09) 3pcs	8Tx15F blue low side (CH-CP10) 3pcs	M10xP0.75 black (CH-CP11) 2pcs	M8xP1 black (CH-CP12) 2pcs
14	15	16	17
M10xP1 black high side (CH-CP14) 3pcs	M8xP1 black low side (CH-CP15) 3pcs	10Tx17F red high side (CH-CP16) 2pcs	M9xP1 blue black (CH-CP17) 2pcs
			18
			1/2" ACME black (CH-CP18) 2pcs

快速接頭

QUICK COUPLER FOR R12 & R134A & R410 & HFO-1234YF



- ▶▶▶ **QC-BV-1**
R134a High pressure quick coupler w/cylinder adapter CA-04 x 08 1/4" M.F. x M14 x 1.5 w/O-RIGN
- ▶▶▶ **QC-BVM**
1/4" M.F. w/o adapter



- ▶▶▶ **QC-L1234**
HFO-1234yf Low pressure, 12mm female, w/o adapter
- ▶▶▶ **QC-L1234-1**
w/ adapter to switch to 1/4" M.F.



- ▶▶▶ **QC-H1234**
HFO-1234yf High pressure, 12mm female, w/o adapter
- ▶▶▶ **QC-H1234-1**
w/ adapter to switch to 1/4" M.F.



- ▶▶▶ **QC-LMS**
Low pressure quick coupler fitted with 1/4" SAE connection for small car
- ▶▶▶ **QC-LMS10**
Low pressure quick coupler fitted with 10mm x 1.5 thread for small car



- ▶▶▶ **QC-LS**
Low pressure quick coupler fitted with 14mm female thread for small car
- ▶▶▶ **QC-LS-1**
Low pressure quick coupler fitted with 14mm female thread for small car
W/CA-04 x 08 1pc



- ▶▶▶ **QC-HMS**
High pressure quick coupler fitted with 1/4" SAE connection for small car
- ▶▶▶ **QC-HMS12**
High pressure quick coupler fitted with 12mm x 1.75 thread for small car



- ▶▶▶ **QC-HS**
High pressure quick coupler fitted with 14mm female thread for small car
- ▶▶▶ **QC-HS-1**
High pressure quick coupler fitted with 14mm female thread for small car
W/CA-04 x 08 1pc



- ▶▶▶ **QC-LM**
Low pressure quick coupler fitted with 1/4" SAE connection
- ▶▶▶ **QC-LM10**
Low pressure quick coupler fitted with 10mm x 1.5 thread



- ▶▶▶ **QC-L**
Low pressure quick coupler fitted with 14mm female thread
- ▶▶▶ **QC-L-1**
Low pressure quick coupler fitted with 14mm female thread
W/CA-04 x 08 1pc



- ▶▶▶ **QC-HM**
High pressure quick coupler fitted with 1/4" SAE connection
- ▶▶▶ **QC-HM12**
High pressure quick coupler fitted with 12mm x 1.75 thread



- ▶▶▶ **QC-H**
High pressure quick coupler fitted with 14mm female thread
- ▶▶▶ **QC-H-1**
High pressure quick coupler fitted with 14mm female thread
W/CA-04 x 08 1pc



- ▶▶▶ **QC-12**
High pressure & low pressure quick couplers fitted with 1/4" male flare hose thread.



- ▶▶▶ **QC-13**
High pressure & low pressure quick couplers fitted with 10mm x 1.5/12mm x 1.75



- ▶▶▶ **QC-15**
High pressure & low pressure quick couplers 90° fitted with 1/4" male thread. Specially suitable for small charging space or any angle charging.



- ▶▶▶ **QC-16**
High pressure & low pressure quick couplers 90° fitted with 14mm female thread. Specially suitable for small charging space or any angle charging.



- 冷媒控制閥
- ▶▶▶ **CH-343-04 1/4"**
1/4" M.F. x 1/4" F.F.
 - ▶▶▶ **CH-343-04x05**
1/4" M.F. x 5/16" F.F.



- 冷媒控制閥
- ▶▶▶ **CH-343-05 5/16"**
5/16" M.F. x 5/16" F.F.
 - ▶▶▶ **CH-343-05x04**
5/16" M.F. x 1/4" F.F.

自動開關閥接頭

AUTO SHUT-OFF VALVE ADAPTER / ADAPTER SET

AS-08ACME x 08ACME



AS-04 x 04



AS-05 x 05L

直型自動開關閥接頭

STRAIGHT TYPE ADAPTER

Item No.	Description
AS-04x04	1/4"M.F.x1/4"F.F. (7/16"- 20UNF)
AS-04x05	1/4"M.F. (7/16"- 20UNF)x5/16"F.F. (1/2"- 20UNF)
AS-04x08ACME	1/4"M.F. (7/16"- 20UNF)x1/2"ACME F.F.
AS-05x04	5/16"M.F. (1/2"- 20UNF)x1/4"F.F. (7/16"- 20UNF)
AS-05x05	5/16"M.F.x5/16"F.F. (1/2"- 20UNF)
AS-08ACMEx04	1/2"ACME M.F.x1/4"F.F. (7/16"- 20UNF)
AS-08ACMEx08ACME	1/2"ACME M.F.x1/2"ACME F.F.

L 型自動開關閥接頭

L TYPE ADAPTER

Item No.	Description
AS-04x04L	1/4"M.F.x1/4"F.F. 90° (7/16"- 20UNF)
AS-04x05L	1/4"M.F. (7/16"- 20UNF)x5/16"F.F. 90° (1/2"- 20UNF)
AS-04x08ACMEL	1/4"M.F. (7/16"- 20UNF)x1/2"ACME F.F. 90°
AS-05x04L	5/16"M.F. (1/2"- 20UNF)x1/4"F.F. 90° (7/16"- 20UNF)
AS-05x05L	5/16"M.F. x5/16"F.F. 90° (1/2"- 20UNF)
AS-08ACMEx04L	1/2"ACME M.F.x1/4"F.F. 90° (7/16"- 20UNF)



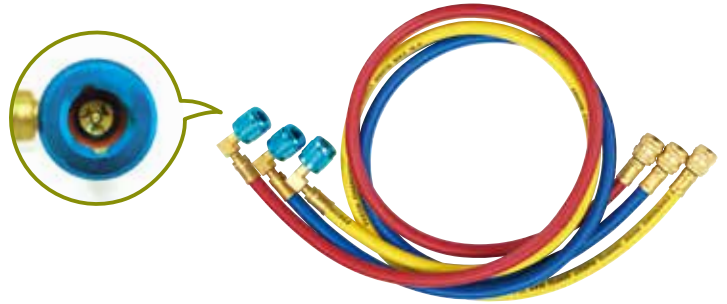
示意圖為AS004

AS001	1	2	3	4
	AS-04x04L 1/4"M.F.x1/4"F.F.90°	AS-05x05L 5/16"M.F.x5/16"F.F.90°	AS-04x04 1/4"M.F.x1/4"F.F.	AS-05x05 5/16"M.F.x5/16"F.F.
	AS-04x04 1/4"M.F.x1/4"F.F.90°	AS-05x05L 5/16"M.F.x5/16"F.F.90°	AS-04x04 1/4"M.F.x1/4"F.F.	AS-05x05 5/16"M.F.x5/16"F.F.
AS002	1	2	3	4
	AS-04x04L 1/4"M.F.x1/4"F.F.90°	AS-05x05L 5/16"M.F.x5/16"F.F.90°	AS-04x05L 1/4"M.F.x5/16"F.F.90°	AS-05x04L 5/16"M.F.x1/4"F.F.90°
	AS-04x04 1/4"M.F.x1/4"F.F.90°	AS-05x05L 5/16"M.F.x5/16"F.F.90°	AS-04x05L 1/4"M.F.x5/16"F.F.90°	AS-05x04L 5/16"M.F.x1/4"F.F.90°
AS003	1	2	3	4
	AS-04x05L 1/4"M.F.x5/16"F.F.90°	AS-05x04L 5/16"M.F.x1/4"F.F.90°	AS-04x05 1/4"M.F.x5/16"F.F.	AS-05x04 5/16"M.F.x1/4"F.F.
	AS-04x05L 1/4"M.F.x5/16"F.F.90°	AS-05x04L 5/16"M.F.x1/4"F.F.90°	AS-04x05 1/4"M.F.x5/16"F.F.	AS-05x04 5/16"M.F.x1/4"F.F.
AS004	1	2	3	4
	AS-08ACMEx04 1/2"ACME M.F.x1/4"F.F.	AS-08ACMEx08ACME 1/2"ACME M.F.x1/2"ACME F.F.	AS-04x04 1/4"M.F.x1/4"F.F.	AS-05x05 5/16"M.F.x5/16"F.F.
	AS-08ACMEx04 1/2"ACME M.F.x1/4"F.F.	AS-08ACMEx08ACME 1/2"ACME M.F.x1/2"ACME F.F.	AS-04x04 1/4"M.F.x1/4"F.F.	AS-05x05 5/16"M.F.x5/16"F.F.
AS005	1	2	3	4
	AS-08ACMEx04 1/2"ACME M.F.x1/4"F.F.	AS-08ACMEx08ACME 1/2"ACME M.F.x1/2"ACME F.F.	AS-08ACMEx04L 1/2"ACME M.F.x1/4"F.F.90°	AS-04x08ACME 1/4"M.F.x1/2"ACME
	AS-08ACMEx04 1/2"ACME M.F.x1/4"F.F.	AS-08ACMEx08ACME 1/2"ACME M.F.x1/2"ACME F.F.	AS-08ACMEx04L 1/2"ACME M.F.x1/4"F.F.90°	AS-04x08ACME 1/4"M.F.x1/2"ACME

自動開關閥冷媒管

HOSE & AUTO SHUT-OFF VALVE FOR R12/134/410A/R32/HFO-1234YF

- CONNECTION THREAD CAN BE 1/4" SAE, 5/16" SAE OR 1/2" ACME.
- SPECIAL LENGTH OR INDIVIDUAL CHARGING HOSE IS AVAILABLE.



HOSE W/AUTO SHUT-OFF VALVE

ITEM	LENGTH	CONNECTION THREAD	REFRIGERANT
CH-336RYB-MAS45 CH-360RYB-MAS45 CH-372RYB-MAS45 CH-396RYB-MAS45	3PCSx36" 3PCSx60" 3PCSx72" 3PCSx96"	R.Y.B.: 1/2"ACME-180' x1/2"ACME-45'	R134A
CH-336RYB-MASL CH-360RYB-MASL CH-372RYB-MASL CH-396RYB-MASL	3PCSx36" 3PCSx60" 3PCSx72" 3PCSx96"	R.Y.B.: 1/2"ACME-180' x1/2"ACME-90'	R134A
CH-336RYB-MAS18 CH-360RYB-MAS18 CH-372RYB-MAS18 CH-396RYB-MAS18	3PCSx36" 3PCSx60" 3PCSx72" 3PCSx96"	R.Y.B.: 1/2"ACME-180' x1/2"ACME-180'	R134A

HOSE W/AUTO SHUT-OFF VALVE

ITEM	LENGTH	CONNECTION THREAD	REFRIGERANT
CH-336RYB-SASL CH-360RYB-SASL CH-372RYB-SASL CH-396RYB-SASL	3PCSx36" 3PCSx60" 3PCSx72" 3PCSx96"	1/4"-180'x1/4"-90' SAE	R134A
CH-336RYB-S410ASL CH-360RYB-S410ASL CH-372RYB-S410ASL CH-396RYB-S410ASL	3PCSx36" 3PCSx60" 3PCSx72" 3PCSx96"	1/4"-180'x1/4"-90' SAE	R410
CH-336RYB-410ASL CH-360RYB-410ASL CH-372RYB-410ASL CH-396RYB-410ASL	3PCSx36" 3PCSx60" 3PCSx72" 3PCSx96"	1/4"-180'x5/16"-90' SAE	R410
CH-336RYB-S410AASL CH-360RYB-S410AASL CH-372RYB-S410AASL CH-396RYB-S410AASL	3PCSx36" 3PCSx60" 3PCSx72" 3PCSx96"	5/16"-180'x5/16"-90' SAE	R410
CH-336RYB-41005ASL CH-360RYB-41005ASL CH-372RYB-41005ASL CH-396RYB-41005ASL	3PCSx36" 3PCSx60" 3PCSx72" 3PCSx96"	R.B:1/4"-180'x 5/16"-90' SAE Y:1/4"-180'x1/4"-90'	R410



HOSE W/AUTO SHUT-OFF VALVE

ITEM	LENGTH	CONNECTION THREAD	REFRIGERANT
CH-336RYB-SAS18 CH-360RYB-SAS18 CH-372RYB-SAS18 CH-396RYB-SAS18	3PCSx36" 3PCSx60" 3PCSx72" 3PCSx96"	1/4"×1/4" SAE-180'	R134A
CH-336RYB-S410AS18 CH-360RYB-S410AS18 CH-372RYB-S410AS18 CH-396RYB-S410AS18	3PCSx36" 3PCSx60" 3PCSx72" 3PCSx96"	1/4"×1/4" SAE-180'	R410
CH-336RYB-410AS18 CH-360RYB-410AS18 CH-372RYB-410AS18 CH-396RYB-410AS18	3PCSx36" 3PCSx60" 3PCSx72" 3PCSx96"	1/4"×5/16" SAE-180'	R410
CH-336RYB-S410AAS18 CH-360RYB-S410AAS18 CH-372RYB-S410AAS18 CH-396RYB-S410AAS18	3PCSx36" 3PCSx60" 3PCSx72" 3PCSx96"	5/16"×5/16" SAE-180'	R410
CH-336RYB-41005AS18 CH-360RYB-41005AS18 CH-372RYB-41005AS18 CH-396RYB-41005AS18	3PCSx36" 3PCSx60" 3PCSx72" 3PCSx96"	R.B:1/4"×5/16" SAE-180' Y:1/4"×1/4"-180'	R410

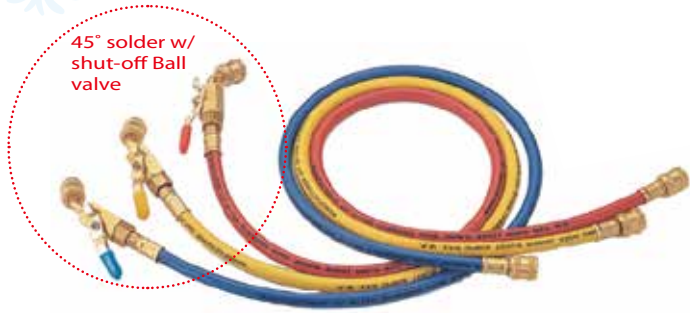
HOSE W/AUTO SHUT-OFF VALVE

ITEM	LENGTH	CONNECTION THREAD	REFRIGERANT
CH-336RYB-SAS CH-360RYB-SAS CH-372RYB-SAS CH-396RYB-SAS	3PCSx36" 3PCSx60" 3PCSx72" 3PCSx96"	1/4"-180'x1/4"-45' SAE	R134A
CH-336RYB-S410AS CH-360RYB-S410AS CH-372RYB-S410AS CH-396RYB-S410AS	3PCSx36" 3PCSx60" 3PCSx72" 3PCSx96"	1/4"-180'x1/4"-45' SAE	R410
CH-336RYB-410AS CH-360RYB-410AS CH-372RYB-410AS CH-396RYB-410AS	3PCSx36" 3PCSx60" 3PCSx72" 3PCSx96"	1/4"-180'x5/16"-45' SAE	R410
CH-336RYB-S410AAS CH-360RYB-S410AAS CH-372RYB-S410AAS CH-396RYB-S410AAS	3PCSx36" 3PCSx60" 3PCSx72" 3PCSx96"	5/16"-180'x5/16"-45' SAE	R410
CH-336RYB-41005AS CH-360RYB-41005AS CH-372RYB-41005AS CH-396RYB-41005AS	3PCSx36" 3PCSx60" 3PCSx72" 3PCSx96"	R.B:1/4"-180'x 5/16"-45' SAE Y:1/4"-180'x1/4"-45'	R410

球型開關冷媒管

HOSE & SHUT-OFF BALL VALVE FOR R12/134/410A/R32/HFO-1234YF

- CONNECTION THREAD CAN BE 1/4" SAE, 5/16" SAE OR 1/2" ACME.
- SPECIAL LENGTH OR INDIVIDUAL CHARGING HOSE IS AVAILABLE.



含球閥冷媒管組



含球閥冷媒管組

HOSE W/SHUT-OFF BALL VALVE

ITEM	LENGTH	CONNECTION THREAD	REFRIGERANT
CH-336RYB-SH CH-360RYB-SH CH-372RYB-SH CH-396RYB-SH	3PCS×36" 3PCS×60" 3PCS×72" 3PCS×96"	1/4"SAE	R134A
CH-336RYB-SH410 CH-360RYB-SH410 CH-372RYB-SH410	3PCS×36" 3PCS×60" 3PCS×72"	1/4"SAE	R410
CH-336RYB-SHR410 CH-360RYB-SHR410 CH-372RYB-SHR410	3PCS×36" 3PCS×60" 3PCS×72"	1/4"×5/16"SAE-45'	R410
CH-336RYB-SH-A1 CH-360RYB-SH-A1 CH-372RYB-SH-A1	3PCS×36" 3PCS×60" 3PCS×72"	5/16"SAE	R410
CH-336RYB-SH4105 CH-360RYB-SH4105 CH-372RYB-SH4105	3PCS×36" 3PCS×60" 3PCS×72"	R.B: 1/4×5/16-45' Y:1/4×1/4-45'	R410

HOSE W/SHUT-OFF BALL VALVE

ITEM	LENGTH	CONNECTION THREAD	REFRIGERANT
CH-336RYB-407L CH-360RYB-407L CH-372RYB-407L	3PCS×36" 3PCS×60" 3PCS×72"	1/4"SAE	R134A
CH-336RYB-407LA CH-360RYB-407LA CH-372RYB-407LA	3PCS×36" 3PCS×60" 3PCS×72"	1/4"SAE	R410
CH-336RYB-R410L CH-360RYB-R410L CH-372RYB-R410L	3PCS×36" 3PCS×60" 3PCS×72"	1/4"×5/16"SAE-45'	R410
CH-336RYB-410LSH CH-360RYB-410LSH CH-372RYB-410LSH	3PCS×36" 3PCS×60" 3PCS×72"	5/16"SAE	R410
CH-336RYB-41005L CH-360RYB-41005L CH-372RYB-41005L	3PCS×36" 3PCS×60" 3PCS×72"	R.B: 1/4×5/16-45' Y:1/4×1/4-45'	R410



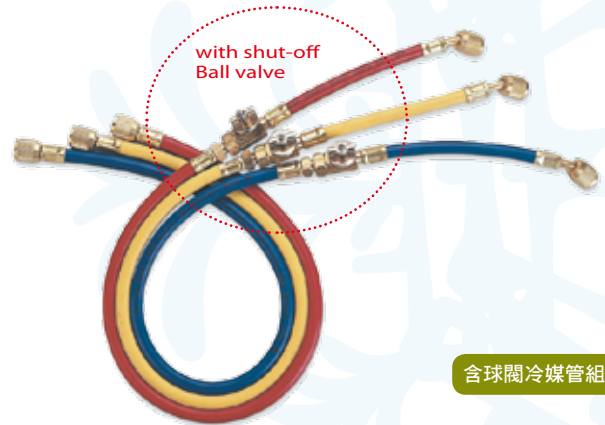
Hose w/shut-off ball valve

- ▶▶ CH-15R/Y/B-SH
1/4" male x 1/4" female
- ▶▶ CH-15R/Y/B-IT
5/16" male x 5/16" female
- ▶▶ CH-15R/Y/B-410SH
1/4" male x 1/4" female for R410
- ▶▶ CH-15R/Y/B-410IT
5/16" male x 5/16" female for R410



Auto charging adapters & hoses complete kit

- ▶▶ CH-135
Blister packing on a card.
1/4" Mx1/4"F, 1/4" Mx3/16"F
1/4" Mx1/8"F adapter.
Hose/B: 1/4"M x 3/16"F
Hose/R: 1/4"M x 1/8"F



含球閥冷媒管組

HOSE W/SHUT-OFF BALL VALVE

ITEM	LENGTH	CONNECTION THREAD	REFRIGERANT
CH-336RYB-L CH-360RYB-L CH-372RYB-L CH-396RYB-L	3PCS×36" 3PCS×60" 3PCS×72" 3PCS×96"	1/4"SAE	R134A



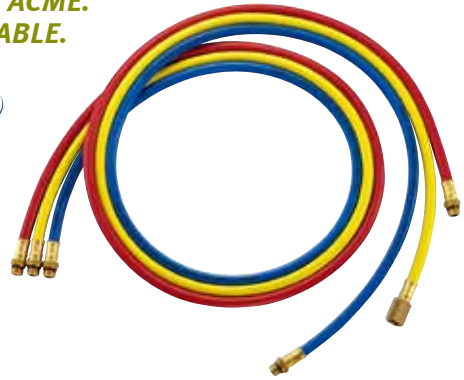
W/shut-off ball valve

- ▶▶ CH-15R/Y/B HOSE
Auto conditioning hose with 3 different colors.
For red, yellow or blue hose.
Total length 15cm
1/4" SAE M. x 1/4" SAE 45"
for 5/16" SAE M.x.F.

冷媒管

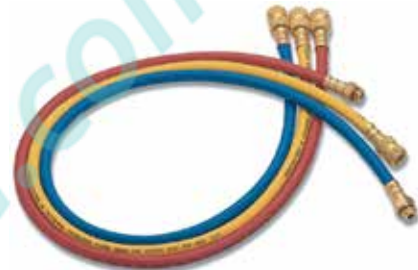
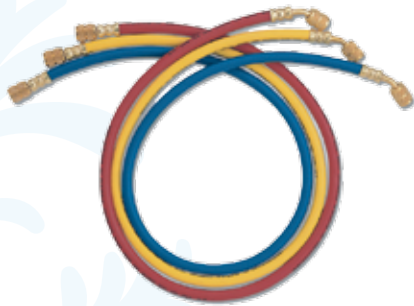
HOSE & SHUT-OFF BALL VALVE FOR R12/134/410A/R32/HFO-1234YF

- CONNECTION THREAD CAN BE 1/4" SAE, 5/16" SAE OR 1/2" ACME.
- SPECIAL LENGTH OR INDIVIDUAL CHARGING HOSE IS AVAILABLE.



ITEM	LENGTH	CONNECTION THREAD	REFRIGERANT
CT-336RYB	3PCS×36"	1/4"SAE	R12
CT-360RYB	3PCS×60"		
CT-372RYB	3PCS×72"		
CT-396RYB	3PCS×96"		

ITEM	LENGTH	CONNECTION THREAD	REFRIGERANT
CH-336RYB-1234	3PCS×36"	R.B.: M12×P1.5 M.F. W/O-RING -180' X	HFO-1234YF
CH-360RYB-1234	3PCS×60"	M12×P1.5 M.F. W/O-RING -180'	
CH-372RYB-1234	3PCS×72"	Y: M12×P1.5 M.F. W/O-RING -180'	
CH-396RYB-1234	3PCS×96"	X 1/2"ACME F.F. LH(左牙)	



ITEM	LENGTH	CONNECTION THREAD	REFRIGERANT
CH-336RYB-S	3PCS×36"	1/4"SAE	R134A
CH-360RYB-S	3PCS×60"		
CH-372RYB-S	3PCS×72"		
CH-396RYB-S	3PCS×96"		
CH-336RYB-S410	3PCS×36"	1/4"SAE	R410
CH-360RYB-S410	3PCS×60"		
CH-372RYB-S410	3PCS×72"		
CH-336RYB-410	3PCS×36"	1/4"×5/16"SAE-45'	R410
CH-360RYB-410	3PCS×60"		
CH-372RYB-410	3PCS×72"		
CH-336RYB-S410-A	3PCS×36"	5/16"SAE	R410
CH-360RYB-S410-A	3PCS×60"		
CH-372RYB-S410-A	3PCS×72"		
CH-336RYB-41005	3PCS×36"	R.B: 1/4×5/16-45' Y:1/4×1/4-45'	R410
CH-360RYB-41005	3PCS×60"		
CH-372RYB-41005	3PCS×72"		

ITEM	LENGTH	CONNECTION THREAD	REFRIGERANT
CH-336RYB-M	3PCS×36"	R.B: 1/2"ACME×(M14×1.5) Y: 1/2"ACME×1/2"ACME	R134A
CH-360RYB-M	3PCS×60"		
CH-372RYB-M	3PCS×72"		
CH-396RYB-M	3PCS×96"		



▶▶▶ CH-N408

Auto air conditioning adapter for Audi, 1/2ACME. F. x 1/4 SAE. M. W/9520C valve core



3/8"×3/8" sae both straight end for R410 w/o depressor core

- ▶▶▶ CH-36BK-06
1PC 36" hose
- ▶▶▶ CH-60BK-06
1PC 60" hose
- ▶▶▶ CH-72BK-06
1PC 72" hose

** Customized length **



3/8"×3/8" sae both straight end for R12 w/o depressor core

- ▶▶▶ CT-36Y-06
1PC 36" hose
- ▶▶▶ CT-60Y-06
1PC 60" hose
- ▶▶▶ CT-72Y-06
1PC 72" hose

** Customized length **



▶▶▶ CH-555

1/2" ACME can tap valve and another side with low pressure quick coupler with R134A hose (total length 50cm).



▶▶▶ CH-333

1/2" ACME can tap valve and another side with 1/4" SAE connection with R134A hose (total length 50cm).

手提式錶組 (鐵弗龍墊片式)

TEFLON DIAPHRAGM MANIFOLD

R12/22/134/404/407/410/R32/HFO-1234YF ALL OPTIONAL

PACKED EASY TO CARRY

Carry box suitable piston type manifold also.

可任意搭配各種型式冷媒錶刻度
(80mm錶除外) 快速接頭及任何一
種的鋁錶架, 冷媒管。
冷媒管也可搭配附開關裝置。



Worldwide patent on case design

Patent NO. :

US 6823, 688B1

US D500, 508s

M252855

D10225 / 000125D18-0001

3102937 / 684884

CH-J36G-C

R134. Manifold Set. 1/4" SAE thread
W/QC-LM. HM. CH-336 RYB-S.

CH-J60G-C

R134. Manifold Set. 1/4" SAE thread
W/QC-LM. HM. CH-360 RYB-S.

CH-J72G-C

R134. Manifold Set. 1/4" SAE thread
W/QC-LM. HM. CH-372 RYB-S.

手提式錶組 (球閥式)

BALL VALVE TYPE MANIFOLD



Complete kit in a hand carry blow case. Manifold is screw fixed on blow case to avoid vibration.

No need to release manifold will can be operated.

* Worldwide patent on case design.

* Gauge with rubber protective boots.

* Manifold with R134 gauges, the connection thread can be 1/4" SAE or 1/2" ACME (1/4" SAE with QC-LM & QC-HM or QC-12 quick couplers) (1/2" ACME with QC-L & QC-H quick coupler)

* Manifold with R410 gauge, the connection thread can be 1/4" SAE or 5/16" SAE Hose with ball valve shut-off.

* Manifold body can be chosen blue or black color.

* Case can be chosen silver or black color.

CH-M36G-C

R134. Manifold Set. 1/4" SAE thread
W/QC-LM. HM. CH-336 RYB-S.

CH-M60G-C

R134. Manifold Set. 1/4" SAE thread
W/QC-LM. HM. CH-360 RYB-S.

CH-M72G-C

R134. Manifold Set. 1/4" SAE thread
W/QC-LM. HM. CH-372 RYB-S.

OPEN TO PULL OUT HOSE

操作示意圖



OPERATING



可供選配示意圖



Manifold with R134 gauges, the connection thread can be 1/4" SAE or 1/2" ACME.

(1/4" SAE with QC-LM & QC-HM or QC-12 quick couplers)

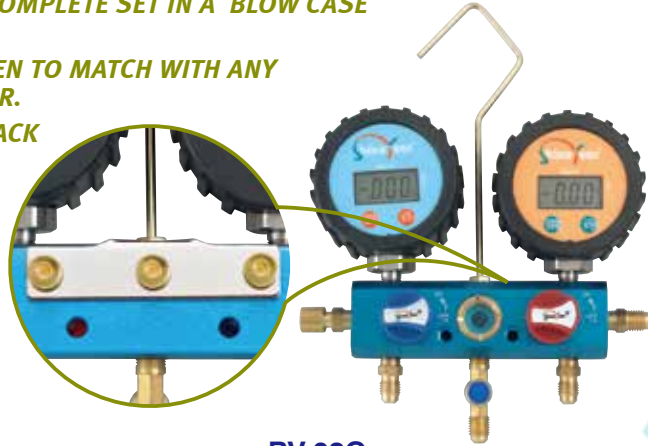
(1/2" ACME with QC-L & QC-H quick coupler)

錶組 (球閥式)

BALL VALVE TYPE MANIFOLD

- **MANIFOLD ASSEMBLED W/R12/22/32/134/404/407/410/ HFO-1234YF ALL OPTIONAL GAUGE, 1/4", 5/16" SAE OR 1/2" ACME CONNECTION COMPLETE SET IN A BLOW CASE OF BLISTER BOX.**
- **BELOW MANIFOLD CAN BE CHOSEN TO MATCH WITH ANY MODEL HOSE, AND QUICK COUPLER.**
- **MADE OF ALUMINUM, BLUE OR BLACK COLOR CAN BE CHOSEN.**

Manifold w/aluminum body will offer hose-holder back side.



數位錶架示意圖

Digital gauge is another choice for manifold.

無視窗型式錶組

▶▶ BV-01G

- * Manifold with R134 gauges, the connection thread can be 1/4" SAE or 1/2" ACME (1/4" SAE with QC-LM & QC-HM or QC-12 quick couplers) (1/2" ACME with QC-L & QC-H quick coupler)
- * Manifold with R410 gauge, the connection thread can be 1/4" SAE or 5/16" SAE hose with shut-off ball valve .

▶▶ BV-136G

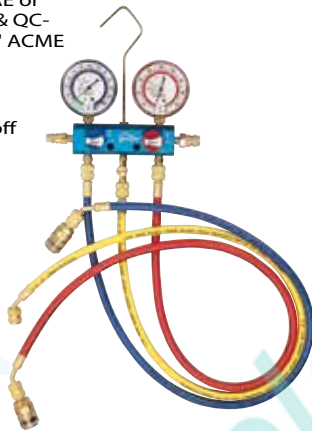
With 3 x 36" hose.
R134. W/QC-12. 1/4" SAE

▶▶ BV-160G

With 3 x 60" hose.
R134. W/QC-12. 1/4" SAE

▶▶ BV-172G

With 3 x 72" hose.
R134. W/QC-12. 1/4" SAE.



▶▶ BV-02G

- * Manifold with R134 gauges, the connection thread can be 1/4" W/shut-off ball valve Hose.
- * Manifold with R410 gauge, the connection thread can be 1/4" SAE or 5/16" SAE hose with shut-off ball valve .

▶▶ BV-236G

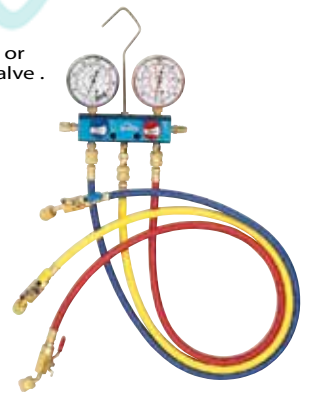
With 3 x 36" shut-off ball valve hose.
R410. without QC. 1/4" SAE.

▶▶ BV-260G

With 3 x 60" shut-off ball valve hose.
R410. without QC. 1/4" SAE.

▶▶ BV-272G

With 3 x 72" shut-off ball valve hose.
R410. without QC. 1/4" SAE.



視窗型式錶組

▶▶ BVL-01G

- * Manifold with R134 gauges, the connection thread can be 1/4" SAE or 1/2" ACME (1/4" SAE with QC-LM & QC-HM or QC-12 quick couplers) (1/2" ACME with QC-L & QC-H quick coupler)
- * Manifold with R410 gauge, the connection thread can be 1/4" SAE or 5/16" SAE hose with shut-off ball valve .

▶▶ BVL-136G

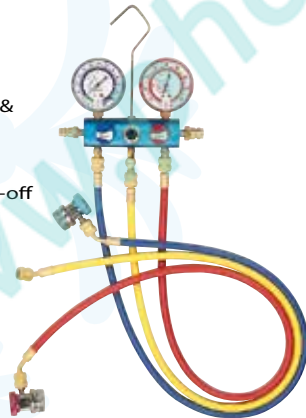
With 3x36" hose.
R134. QC-LM. HM. 1/4" SAE.

▶▶ BVL-160G

With 3 x 60" hose.
R134. QC-LM. HM. 1/4" SAE.

▶▶ BVL-172G

With 3 x 72" hose.
R134. QC-LM. HM. 1/4" SAE.



▶▶ BVL-02G

- * Manifold with R134 gauges, the connection thread can be 1/4" SAE W/shut-off ball valve Hose.
- * Manifold with R410 gauge, the connection thread can be 1/4" SAE or 5/16" SAE hose with ball valve shut-off.

▶▶ BVL-236G

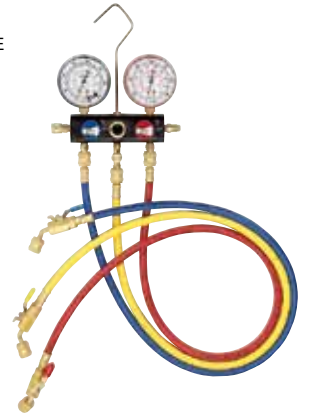
With 3 x 36" shut-off ball valve hose.
R410. 1/4" SAE. Hose without QC.

▶▶ BVL-260G

With 3 x 60" shut-off ball valve hose.
R410. 1/4" SAE. hose without QC.

▶▶ BVL-272G

With 3 x 72" shut-off ball valve hose.
R410. 1/4" SAE. hose without QC.



外接視窗錶組

▶▶ BVS-01G

- * Manifold with CH-800-04PT sight glass the connection thread can be 1/4" SAE with QC-LM & QC-HM or QC-12 quick couplers)

▶▶ BVS-136G

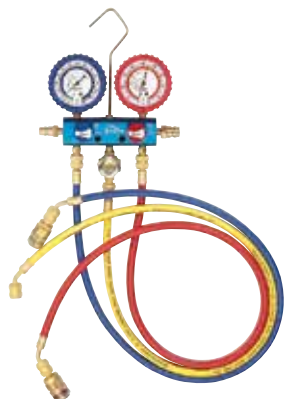
With 3 x 36" hose.
R134. 1/4" SAE. W/QC-12

▶▶ BVS-160G

With 3 x 60" hose.
R134. 1/4" SAE. W/QC-12

▶▶ BVS-172G

With 3 x 72" hose.
R134. 1/4" SAE. W/QC-12



▶▶ BVS-02G

- * Manifold with CH-800-04 PT sight glass, the connection thread can be 1/4" SAE W/Shut-off ball valve hose.
- * Manifold with R410 gauge, the connection thread can be 1/4" SAE or 5/16" SAE hose with shut-off ball valve.

▶▶ BVS-236G

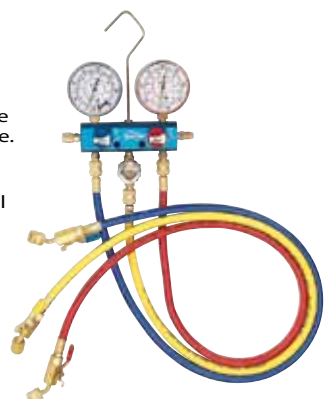
With 3 x 36" shut-off ball valve hose.
R410. hose 1/4" SAE.

▶▶ BVS-260G

With 3 x 60" shut-off ball valve hose.
R410. hose 1/4" SAE.

▶▶ BVS-272G

With 3 x 72" shut-off ball valve hose.
R410. hose 1/4" SAE.



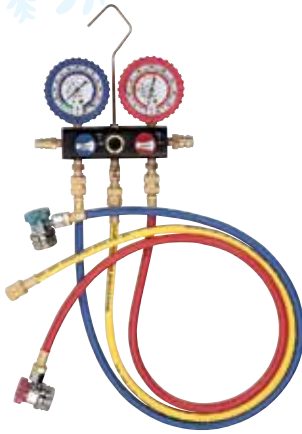
Picture with rubber protective boots is for reference.
Standard product w/o rubber protective boots.

* Above manifold body hose can be selected
According to your needs.

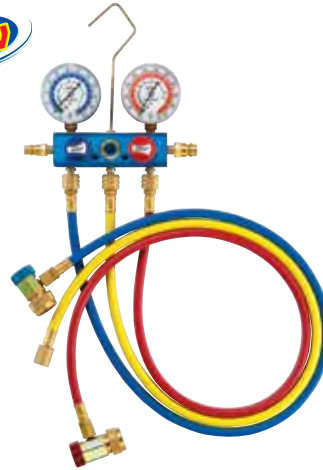
錶組 (球閥式)

BALL VALVE TYPE MANIFOLD

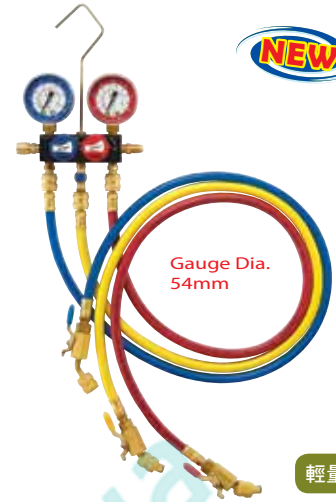
R12/22/32/134/404/407/410/HFO-1234YF ALL OPTIONAL



NEW



NEW



輕量型

* Gauge with rubber protective boots is for reference.

* Manifold with R134 gauges, the connection thread can be 1/4" SAE or 1/2" ACME.

* 1/4" SAE with QC-LM & HM or QC-12 quick couplers.
1/2" ACME with QC-L & QC-H quick coupler.

▶▶ **CH-N36G**

with 3 x 36" hose.
R134. QC-L. H.1/2" ACME.

▶▶ **CH-N60G**

with 3 x 60" hose.
R134. QC-L. H.1/2" ACME.

▶▶ **CH-N72G**

with 3 x 72" hose.
R134. QC-L. H.1/2" ACME.

HFO-1234YF MANIFOLD

* R.B.: M12xP1.5 M.F. W/O-RING -180' X
M12xP1.5 M.F. W/O-RING -180'

* Y.: M12xP1.5 M.F. W/O-RING -180' X 1/2" ACME
F.F. LH (左牙)

▶▶ **BVL-YF136G**

With 3x36" hose. QC-L1234 & QC-H1234 quick coupler.

▶▶ **BVL-YF160G**

With 3x60" hose. QC-L1234 & QC-H1234 quick coupler.

▶▶ **BVL-YF172G**

With 3x72" hose. QC-L1234 & QC-H1234 quick coupler.

▶▶ **BVL-YF01G**

Manifold with HFO-1234YF gauges.

LIGHT BALL VALVE TYPE MANIFOLD

▶▶ **BVJ-02**

Ball valve type manifold body 1/4" SAE w/hook & charging valve.

Manifold body size:
90(L)x30.5(W)x23(H)mm

▶▶ **BVJ-02G**

W/gauge RG-410-500-34MI & RG-410-800-34MI, PSI, BAR, °C

W/ shut-off ball valve

▶▶ **BVJ-236G**

3 x R410 hose 36".

▶▶ **BVJ-260G**

3 x R410 hose 60".

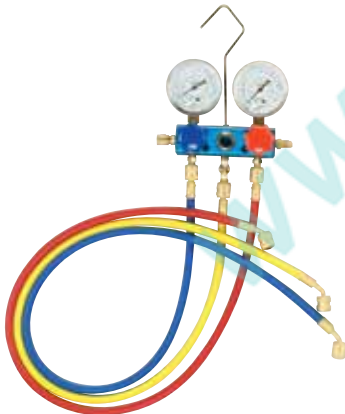
▶▶ **BVJ-272G**

3 x R410 hose 72".

錶組 (有視窗針閥式)

TESTING MANIFOLD GAUGE SETS

R12/22/32/134/404/407/410/HFO-1234YF ALL OPTIONAL



Manifold with 3 pcs hoses, 1/4" SAE connection for R12.

▶▶ **CH-136G**

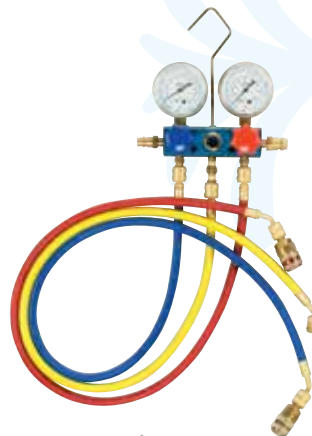
with 3pcs 36" hoses.

▶▶ **CH-160G**

with 3pcs 60" hoses.

▶▶ **CH-172G**

with 3pcs 72" hoses.



Manifold with 3 pcs hoses, 2pcs quick couplers. 1/4" SAE connection for R134A..

▶▶ **CH-236G**

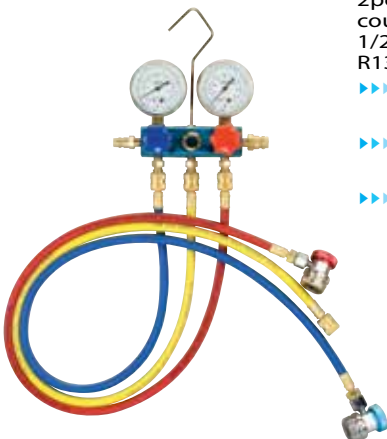
with 3pcs 36" hoses, QC-12.

▶▶ **CH-260G**

with 3pcs 60" hoses, QC-12.

▶▶ **CH-272G**

with 3pcs 72" hoses, QC-12.



Manifold with 3 pcs hoses, 2pcs adjustable quick couplers. 1/2" ACME connection for R134A.

▶▶ **CH-336G**

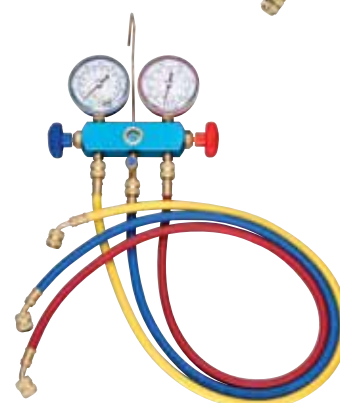
with 3pcs 36" hoses, QC-L,H.

▶▶ **CH-360G**

with 3pcs 60" hoses, QC-L,H.

▶▶ **CH-372G**

with 3pcs 72" hoses, QC-L,H.



▶▶ **CH-RS01**

Manifold body 1/4" SAE w/sight glass and hook

▶▶ **CH-RS01G**

Manifold w/gauge, R12,22,134A,°C,PSI,KPA.

▶▶ **CH-RS36G**

Manifold set, 3*36" hose

▶▶ **CH-RS60G**

Manifold set, 3*60" hose

▶▶ **CH-RS72G**

Manifold set, 3*72" hose

錶組 (有視窗針閥式)

TESTING MANIFOLD GAUGE SETS-PISTON TYPE

R12/22/32/134/404/407/410/HFO-1234YF ALL OPTIONAL

** Handwheel with soft material. 1/4" SAE ** ** Connection thread can be 5/16" SAE **

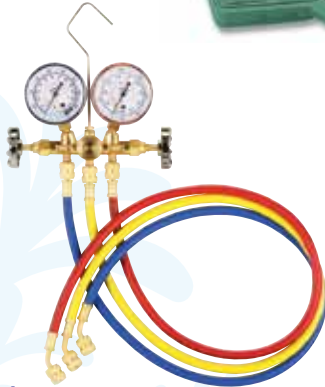
Manifold 1/4" SAE
Complete set in a carrying plastic case.

- ▶▶▶ **CH-736G**
3pcs 36" hoses.
w/QC-12
- ▶▶▶ **CH-760G**
3pcs 60" hoses.
w/QC-12
- ▶▶▶ **CH-772G**
3pcs 72" hoses.
w/QC-12

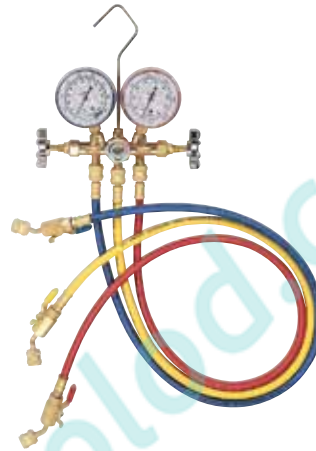


Manifold 1/2" ACME
Complete set in a carrying plastic case.

- ▶▶▶ **CH-836G**
3pcs 36" hoses.
w/QC-L,H
- ▶▶▶ **CH-860G**
3pcs 60" hoses.
w/QC-L,H
- ▶▶▶ **CH-872G**
3pcs 72" hoses.
w/QC-L,H

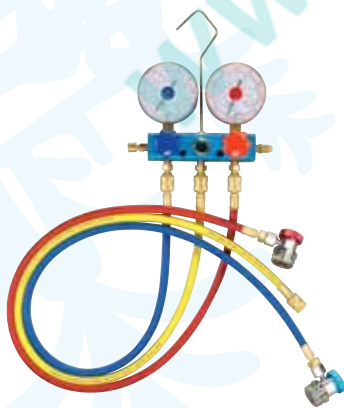
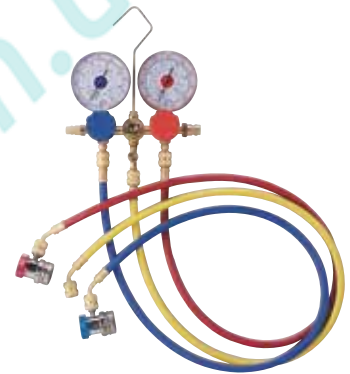


- ▶▶▶ **CT-501**
Sight glass brass testing manifold body with hook, hose holder and two handwheels.
- ▶▶▶ **CT-501G**
Sight glass brass testing manifold body with hook, hose holder and two handwheels.
w/RG-250/500 gauge.
- ▶▶▶ **CT-536G**
With 3 pcs 36" charging hoses for R12.
- ▶▶▶ **CT-560G**
With 3pcs 60" charging hoses.
- ▶▶▶ **CT-572G**
With 3pcs 72" charging hoses.

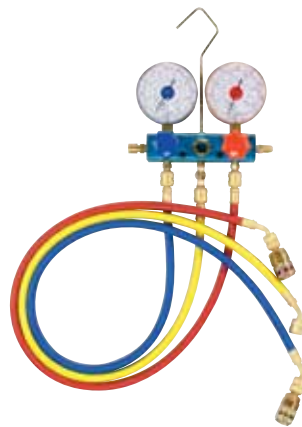


- * Brass manifold w/ sight glass, hose with shut-off ball valve.
- * For R410A connection thread can be 1/4" SAE or 5/16" SAE.
- ▶▶▶ **CH-536G-L**
with 3 x 36" ball valve hose. R12. 1/4" SAE.
- ▶▶▶ **CH-560G-L**
with 3 x 60" ball valve hose. R12. 1/4" SAE.
- ▶▶▶ **CH-572G-L**
with 3 x 72" ball valve hose. R12. 1/4" SAE.

- ▶▶▶ **CH-Q01**
Manifold body for 1/4" SAE
- ▶▶▶ **CH-Q01G**
R22,134,404,407 manifold set w/80mm Gauge
- ▶▶▶ **CH-Q36G**
R134 manifold set, 3x36" hose w/QC-LM, QC-HM
- ▶▶▶ **CH-Q60G**
R134 manifold set, 3x60" hose w/QC-LM, QC-HM
- ▶▶▶ **CH-Q72G**
R134 manifold set, 3x72" hose w/QC-LM, QC-HM



- Manifold R22, 134, 404,407 with 3pcs hoses, 2pcs adjustable quick couplers and 2pcs 80mm dia. gauge. 1/2" ACME connection.
- ▶▶▶ **A-36G**
with 3pcs 36" hoses, QC-L,H
 - ▶▶▶ **A-60G**
with 3pcs 60" hoses, QC-L,H
 - ▶▶▶ **A-72G**
with 3pcs 72" hoses, QC-L,H



- Manifold for R22,134,404,407 with 3pcs hoses,2pcs quick couplers and 2pcs 80mm dia.gauge.1/4" SAE connection.
- ▶▶▶ **B-36G**
with 3pcs 36" hoses, QC-12
 - ▶▶▶ **B-60G**
with 3pcs 60" hoses, QC-12
 - ▶▶▶ **B-72G**
with 3pcs 72" hoses, QC-12



- Manifold for R134A with 3pcs hoses and sight glass, 2pcs adjustable quick couplers, 1/4" SAE connection for R134A can be used with QC-12
- ▶▶▶ **C-36G**
with 3pcs 36" hoses, QC-LM,HM
 - ▶▶▶ **C-60G**
with 3pcs 60" hoses, QC-LM,HM
 - ▶▶▶ **C-72G**
with 3pcs 72" hoses, QC-LM,HM