

G “INDUSTRIAL SUPPLIES

PROFESSIONAL TOOL BOXES



< ITEM NO. 57104718

• 445W x 240D x 205H mm



< ITEM NO. 57104719

• 440W x 197.2D x 140H mm



< ITEM NO. 57101528

• 445W x 240D x 205H mm



< ITEM NO. 57101529

• 380W x 178D x 143H mm



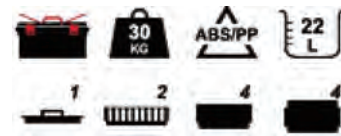


PROFESSIONAL TOOL BOXES



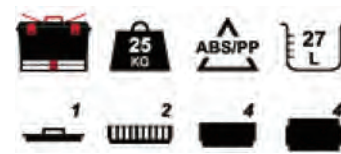
< ITEM NO. 57101527

• 558W x 277D x 270H mm



< ITEM NO. 57104720

• 558W x 277D x 370H mm



< ITEM NO. 57105239

• 440W x 197.2D x 170H mm



< ITEM NO. 57105240

• 426W x 235D x 180H mm



< ITEM NO. 57105241

• 426W x 235D x 225H mm



G22 - STORAGE CABINET & PARTS BINS

INDUSTRIAL SUPPLIES

G “ INDUSTRIAL SUPPLIES



HIGH PRECISION INVERTER OIL COOLERS

APPLICATION:

- CNC vertical & horizontal machine center.
- CNC grinding machine.
- CNC high-speed lathe.
- CNC machine center (5 surface).
- CNC double column grinding and milling machine.
- CNC high-speed press machine.
- Requirement for high-precision and high-speed spindle industries.



FEATURES:

- Individual design for LCD control panel and the temperature precision could maintain $\pm 0.1^{\circ}\text{C}$.
- Using inverter compressor keeps electric current smoothly and save energy to 33%.
- The energy saving and high precision are from the operation of low load.
- Reduce the temperature rise and maintain the precision during process.
- Filling the high-efficiency environmental refrigerant is without pollution.

ITEM NO.		57105242	57105243
Cooling capacity	BTU/HR	4000	8000
	KCAL/HR	1000	2000
	W	1162	2325
Operative range	Room temperature	5°C ~ 45°C	
	Liquid temperature	5°C ~ 45°C	
Setting range	Differential temperature controller	-9.9°C ~ 9.9°C	
	Constant temperature controller	25°C ~ 40°C	
Power source	V	3ø AC220V 50/60Hz	
Total overburdening current consumption	A	6	11
Oil pump horsepower	W	375	750
Oil pump discharge rate	l/min	12	30
Oil tank	liter	12	35
Inlet and outlet pipe-diameter	inch	1/2" x 1/2"	1" x 1"
Dimension (D x W x H)	mm	378 x 456 x 794	487 x 555 x 983
Weight	kgs	65	102
Refrigerant	gas	R410A	
Dimension with oil tank	mm	378 x 456 x 794	400 x 500 x 1258
Weight with oil tank	kgs	70	107

ITEM NO.		57105244	57105245	57105246
Cooling capacity	BTU/HR	12000	24000	36000
	KCAL/HR	3000	6000	9000
	W	3488	6976	10465
Operative range	Room temperature	5°C ~ 45°C		
	Liquid temperature	5°C ~ 45°C		
Setting range	Differential temperature controller	-9.9°C ~ 9.9°C		
	Constant temperature controller	25°C ~ 40°C		
Power source	V	3ø AC220V 50/60Hz		
Total overburdening current consumption	A	19	20	25
Oil pump horsepower	W	750	750	750
Oil pump discharge rate	l/min	30	30	40
Oil tank	liter	35	40	50
Inlet and outlet pipe-diameter	inch	1"x1"	1"x1"	1"x1"
Dimension (D x W x H)	mm	487 x 555 x 983	674 x 544 x 1201	665 x 651 x 1388
Weight	kgs	102	168	212
Refrigerant	gas	R410A		
Dimension with oil tank	mm	400 x 500 x 1258	520 x 575 x 1438	665 x 651 x 1388
Weight with oil tank	kgs	107	173	238



OIL COOLERS FOR CNC MACHINE TOOL

APPLICATION:

- CNC vertical & horizontal machine center.
- CNC grinding, broaching and press machine.
- CNC wood carving and oil hydraulic machine.
- CNC lathe and high-speed lathe.
- CNC machine center (5 surface).
- CNC carving machine.
- Oil hydraulic equipment.

FEATURES:

- Maintain constant oil temperature in order to prevent precision-losing.
- Prevent oil deterioration. Maintain oil viscosity that ensures smooth and stable oil pressure.
- Using the temperature control panel is to avoid thermal expansion.
- Built-in failure-detection system that connects to the control panel in order to warn the user and prevent further damage to the machine.
- Filling the high-efficiency environmental refrigerant is without pollution.



ITEM NO.		57103886	57103887	57103888	57103889
Cooling capacity	BTU/HR, 50/60Hz	3200/4000	4800/6000	6400/8000	9600/12000
	KCAL/HR, 50/60Hz	800/1000	1200/1500	1600/2000	2400/3000
	W, 50/60Hz	929/1162	1395/1744	1860/2325	2790/3488
Operative range	Room temperature	5°C ~ 45°C			
	Liquid temperature	5°C ~ 45°C			
Setting range	Differential temperature controller	-9.9°C ~ 9.9°C			
	Constant temperature controller	25°C ~ 40°C			
Power source	V	3ø AC220V 50/60Hz			
Total overburdening current consumption	A	3	4	4	6
Oil pump horsepower	W	180	375	375	750
Oil pump discharge rate	l/min	4.5	20	20	30
Oil tank	liter	20	30	30	40
Inlet and outlet pipe-diameter	inch	1/2"x1/2"	3/4"x3/4"	3/4"x3/4"	1"x1"
Dimension (D x W x H)	mm	365 x 446 x 646	423 x 496 x 749	423 x 496 x 749	487 x 555 x 941
Weight	kgs	51	79	79	97
Dimension with oil tank	mm	365 x 446 x 826	423 x 496 x 949	423 x 496 x 949	505 x 555 x 1161
Refrigerant	gas	R134a/R407C			
Weight with oil tank	kgs	62	90	90	122

ITEM NO.		57103890	57103891	57103892	57103893	57103894
Cooling capacity	BTU/HR	14400/18000	19200/24000	28800/36000	48000/60000	96000/120000
	KCAL/HR	3600/4500	4800/6000	7200/9000	12000/15000	24000/30000
	W	4185/5232	5580/6976	8372/10465	13952/17441	27906/34883
Operative range	Room temperature	5°C ~ 45°C				
	Liquid temperature	5°C ~ 45°C				
Setting range	Differential temperature controller	-9.9°C ~ 9.9°C				
	Constant temperature controller	25°C ~ 40°C				
Power source	V	3ø AC220V 50/60Hz				
Total overburdening current consumption	A	8	9	12	14	40
Oil pump horsepower	W	750	750	750	750	2200
Oil pump discharge rate	l/min	30	30	40	60	100
Oil tank	liter	40	40	60	94	133
Inlet and outlet pipe-diameter	inch	1"x1"	1"x1"	1-1/4"x1"	1-1/4"x1-1/4"	1-1/4"x1-1/4"
Dimension (D x W x H)	mm	674 x 544 x 1198	674 x 544 x 1198	926 x 606 x 1299	1105 x 705 x 1399	1350 x 1020 x 1788
Weight	kgs	134	158	179	219	350
Dimension with oil tank	mm	674 x 544 x 1198	674 x 544 x 1198	926 x 606 x 1299	1105 x 705 x 1399	1350 x 1020 x 1788
Refrigerant	gas	R134a/R407C				
Weight with oil tank	kgs	160	175	205	239	415



G “ INDUSTRIAL SUPPLIES



EDM MACHINE COOLERS

APPLICATION:

- CNC vertical & horizontal machine center.
- Wire cutting and EDM machine.
- Cutting machine.
- CNC lathe.
- CNC grinding and gear hobbing machine.



FEATURES:

- The volume of tank is without restriction.
- Maintain constant oil temperature that ensures the quality of EDM process.
- Preventing attrition for cutting tools and increasing deadline.
- Reduce the temperature rise and maintain the precision during process.
- Using the heat exchanger is to prevent the circuit clogging and breakdown that caused by rust-eaten.
- Filling the high-efficiency environmental refrigerant is without pollution.

ITEM NO.		57103931	57103932	57103933
Cooling capacity	BTU/HR, 50/60Hz	3200/4000	4800/6000	6400/8000
	KCAL/HR, 50/60Hz	800/1000	1200/1500	1600/2000
	W, 50/60Hz	92/1162	1395/1744	1860/2325
Operative range	Room temperature	5°C ~ 45°C		
	Liquid temperature	5°C ~ 45°C		
Setting range	Differential temperature controller	-9.9°C ~ 9.9°C		
	Constant temperature controller	20°C ~ 40°C		
Power source	V	1ø AC220V 50/60Hz		
Total overburdening current consumption	A	3	5	6
Applicable discharge rate	l/min	37/40	37/40	37/40
Inlet and outlet pipe-diameter	inch	1"x1"	1"x1"	1"x1"
Dimension (D x W x H)	mm	368 x 445 x 567	423 x 496 x 791	423 x 496 x 791
Refrigerant	gas	R134a/R407C		
Weight	kgs	38	51	54

ITEM NO.		57103934	57103935	57103936	57103936-1
Cooling capacity	BTU/HR, 50/60Hz	9600/12000	19200/24000	28800/36000	48000/60000
	KCAL/HR, 50/60Hz	2400/3000	4800/6000	7200/9000	12000/15000
	W, 50/60Hz	2790/3488	5580/6976	8372/10465	13952/17441
Operative range	Room temperature	5°C ~ 45°C			
	Liquid temperature	5°C ~ 45°C			
Setting range	Differential temperature controller	-9.9°C ~ 9.9°C			
	Constant temperature controller	20°C ~ 40°C			
Power source	V	1ø AC220V 50/60Hz		3ø AC220V 50/60Hz	
Total overburdening current consumption	A	7	9	11	16
Applicable discharge rate	l/min	37/40	37/40	37/40	37/40
Inlet and outlet pipe-diameter	inch	1"x1"	1"x1"	1"x1"	1"x1"
Dimension (D x W x H)	mm	423 x 496 x 8631	696 x 494 x 1217	926 x 606 x 1299	1105 x 705 x 1399
Refrigerant	gas	R134a/R407C			
Weight	kgs	68	109	172	217



CNC CUTTING MACHINE COOLERS

APPLICATION:

- CNC vertical & horizontal machine center.
- CNC lathe, grinding and milling machine.
- CNC internal and external diameter machine.
- CNC cutting machine.
- Production for auto parts industries.

FEATURES:

- It's designed for turning and cutting machine. No impurities or metal clog interference.
- Stainless steel shell heat exchanger ensures no corrosion problem.
- Easy installation and space-saving. It's easy to clean and maintain.
- Filling the high-efficiency environmental refrigerant is without pollution.



ITEM NO.		57103942	57103943	57103944
Cooling capacity	BTU/HR, 50/60Hz	3200/4000	4800/6000	9600/12000
	KCAL/HR, 50/60Hz	800/1000	1200/1500	2400/3000
	W, 50/60Hz	929/1162	1395/1744	2790/3488
Operative range	Room temperature	5°C ~ 45°C		
	Liquid temperature	5°C ~ 45°C		
Setting range	Differential temperature controller	-9.9°C ~ 9.9°C		
	Constant temperature controller	20°C ~ 40°C		
Power source	V	1ø AC220V 50/60Hz	1ø AC380V 50/60Hz	1ø AC220V, 50/60Hz
Total consumption	KW	0.7	1.1	1.3
Total overburdening current consumption	A	3	3	6
Dimension (D x W x H)	mm	336 x 436 x 748	457x 455 x 969	457 x 455 x 969
Refrigerant	gas	R134/R407C		
Weight	kgs	39	56	53

ITEM NO.		57103945	57103946	57103947	57103948	57103948-1
Cooling capacity	BTU/HR, 50/60Hz	14400/18000	19200/24000	28800/36000	48000/60000	72000/90000
	KCAL/HR, 50/60Hz	3600/4500	4800/6000	7200/9000	12000/15000	18000/22500
	W, 50/60Hz	4185/5232	5580/6976	8372/10465	13952/17441	20929/26162
Operative range	Room temperature	5°C ~ 45°C				
	Liquid temperature	5°C ~ 45°C				
Setting range	Differential temperature controller	-9.9°C ~ 9.9°C				
	Constant temperature controller	20°C ~ 40°C				
Power source	V	3ø AC220V, 50/60Hz				
Total consumption	KW	2.3	3	4.2	4.2	10.7
Total overburdening current consumption	A	6	8	11	11	28
Dimension (D x W x H)	mm	674 x 544 x 1124	674 x 544 x 1124	702 x 781 x 1178	926 x 656 x 1804	1184 x 650 x 1829
Refrigerant	gas	R134/R407C				
Weight	kgs	98	96	128	172	251



G “ INDUSTRIAL SUPPLIES



HIGH PRECISION INVERTER WATER CHILLERS

APPLICATION:

- CNC vertical & horizontal machine center.
- CNC wire cutting machine.
- CNC high-precision grinding machine.
- CNC machine center (5 surface).
- Photoelectricity, semiconductor and solar energy industries.
- Requirement for high-precision industries.



FEATURES:

- Individual design for LCD control panel and the temperature precision could maintain $\pm 0.1^{\circ}\text{C}$.
- Using inverter compressor is that keeps electric current smoothly and saves energy to 33%.
- The energy saving and high precision are from the operation of low load.
- Reduce the temperature rise and maintain the precision during process.
- Filling the high-efficiency environmental refrigerant is without pollution.

ITEM NO.		5713875-1	57103875
Cooling capacity	BTU/HR	4000	8000
	KCAL/HR	1000	2000
	W	1162	2325
Operative range	Room temperature	5°C ~ 45°C	
	Liquid temperature	5°C ~ 45°C	
Setting range	Differential temperature controller	-9.9°C ~ 9.9°C	
	Constant temperature controller	25°C ~ 40°C	
Power source	V	3ø AC220V 50/60Hz	
Total overburdening current consumption	A	6	9
Water pump horsepower	W, 50/60Hz	450/580	450/580
Water pump discharge rate	l/min, 50/60Hz	37/40	37/40
Water tank	liter	12	25
Inlet and outlet pipe-diameter	inch	1/2"x1/2"	3/4"x3/4"
Dimension (D x W x H)	mm	378 x 456 x 794	521 x 510 x 1076
Weight	kgs	65	86
Refrigerant	gas	R410A	
Dimension with water tank	mm	378 x 456 x 794	521 x 510 x 1076
Weight with water tank	kgs	70	97

ITEM NO.		57103876	57103877	57103878
Cooling capacity	BTU/HR	12000	24000	36000
	KCAL/HR	3000	6000	9000
	W	3488	6976	10465
Operative range	Room temperature	5°C ~ 45°C		
	Liquid temperature	5°C ~ 45°C		
Setting range	Differential temperature controller	-9.9°C ~ 9.9°C		
	Constant temperature controller	25°C ~ 40°C		
Power source	V	3ø AC220V 50/60Hz		
Total overburdening current consumption	A	10	20	21
Water pump horsepower	W, 50/60Hz	450/560	430/740	600/1040
Water pump discharge rate	l/min, 50/60Hz	37/40	40/50	40/50
Water tank	liter	25	40	50
Inlet and outlet pipe-diameter	inch	3/4"x3/4"	1"x1"	1"x1"
Dimension (D x W x H)	mm	521 x 510 x 1076	674 x 544 x 1201	665 x 651 x 1388
Weight	kgs	106	140	165
Refrigerant	gas	R410A		
Dimension with water tank	mm	521 x 510 x 1076	674 x 544 x 1201	665 x 651 x 1388
Weight with water tank	kgs	117	155	235

P.S. Dissipate heat way -
{

 air type
 water type



WATER COOLERS FOR MACHINE TOOL

APPLICATION:

- UV printing machine and cooling for ink roller.
- High-cycle machine.
- PU foam machine.
- Injection molding machine.
- Blow molding machine.
- Ultrasonic cleaning equipment.
- All kinds of industrial equipment.



FEATURES:

- Using the heat exchanger of plate type and shell-and-tube evaporator is to increase the heat exchange.
- It's easy to install and maintain. Water tower is not required.
- Advanced electrical components, energy saving and increasing lifetime.
- Intelligent temperature control with precision 0.5°C ~ 1.0°C.
- The temperature range is 20°C ~ 40°C.
- Filling the high-efficiency environmental refrigerant is without pollution.

ITEM NO.		57103906	57103907	57103908	57103909
Cooling capacity	BTU/HR, 50/60Hz	800/1000	3200/4000	6400/8000	9600/12000
	KCAL/HR, 50/60Hz	200/250	800/1000	1600/2000	2400/3000
	W, 50/60Hz	232/290	929/1162	1860/2325	2790/3488
Operative range	Room temperature	5°C ~ 45°C			
	Liquid temperature	5°C ~ 45°C			
Setting range	Differential temperature controller	-9.9°C ~ 9.9°C			
	Constant temperature controller	20°C ~ 40°C			
Power source	V	3ø AC220V 50/60Hz			
Total overburdening current consumption	A	3	5	5.5	6
Water pump horsepower	W, 50/60Hz	60/80	450/560	450/560	450/560
Water pump discharge rate	l/min, 50/60Hz	32/38	37/40	37/40	37/40
Water tank	liter	7	10	26	26
Inlet and outlet pipe-diameter	inch	1/2"x1/2"	1/2"x1/2"	3/4"x3/4"	3/4"x3/4"
Dimension (D x W x H) - a tpye	mm	366 x 444 x 569	378 x 456 x 794	518 x 506 x 1028	518 x 506 x 1028
Dimension (D x W x H) - w tpye	mm	366 x 444 x 569	378 x 456 x 794	518 x 506 x 1028	518 x 506 x 1028
Refrigerant	gas	R134a/R407C			
Weight - a type	kgs	44	54	89	92
Weight - w tpye	kgs	44	52	88	91

ITEM NO.		57103910	57103911	57103912	57103913	57103914
Cooling capacity	BTU/HR, 50/60Hz	19200/24000	28800/36000	48000/60000	72000/90000	96000/120000
	KCAL/HR, 50/60Hz	4800/6000	7200/9000	12000/15000	18000/22500	24000/30000
	W, 50/60Hz	5580/6976	8372/10465	13952/17441	20929/26162	27906/34883
Operative range	Room temperature	5°C ~ 45°C				
	Liquid temperature	5°C ~ 45°C				
Setting range	Differential temperature controller	-9.9°C ~ 9.9°C				
	Constant temperature controller	20°C ~ 40°C				
Power source	V	3ø AC220V 50/60Hz				
Total overburdening current consumption	A	9	13	14	38	42
Water pump horsepower	W, 50/60Hz	530/750	700/1060	700/1060	1080/1620	1080/1620
Water pump discharge rate	l/min, 50/60Hz	37/40	37/40	37/40	83/91	83/91
Water tank	liter	40	65	94	133	133
Inlet and outlet pipe-diameter	inch	1"x1"	1"x1"	1"x1"	1-1/4"x1-1/4"	1-1/4"x1-1/4"
Dimension (D x W x H) - a tpye	mm	674 x 544 x 1198	664 x 650 x 1388	695 x 815 x 1600	1270 x 890 x 1788	1350 x 1020 x 1788
Dimension (D x W x H) - w tpye	mm	674 x 544 x 1318	926 x 606 x 1299	926 x 606 x 1299	1105 x 705 x 1399	900 x 1350 x 1687
Refrigerant	gas	R134a/R407C				
Weight - a type	kgs	125	175	175	387	415
Weight - w tpye	kgs	128	191	191	176	550

P.S. Dissipate heat way - air type
water type



G “ INDUSTRIAL SUPPLIES

WATER CHILLERS FOR LASER CUTTING AND ENGRAVING MACHINE

APPLICATION:

- YAG laser machine
- CO₂ laser machine
- Medical laser machine
- Laser drilling machine for interconnection PCB.
- Laser processing machine.
- Vacuum equipment.



FEATURES:

- Using the heat exchanger of plate type and shell-and-tube evaporator is to increase the heat exchange and save energy.
- In order to the quality of pure water, it uses the stainless steel and antirust rubber for the system of water circuit.
- The temperature precision is 0.5°C ~ 1°C
- Filling the high-efficiency environmental refrigerant is without pollution

ITEM NO.		57103915	57103916	57103917	57103918
Cooling capacity	BTU/HR, 50/60Hz	800/1000	3200/4000	9600/12000	19200/24000
	KCAL/HR, 50/60Hz	200/250	800/1000	2400/3000	4800/6000
	W, 50/60Hz	232/290	929/1162	2790/3488	5580/6976
Operative range	Room temperature	5°C ~ 45°C			
	Liquid temperature	5°C ~ 45°C			
Setting range	Differential temperature controller	-9.9°C ~ 9.9°C			
	Constant temperature controller	20°C ~ 40°C			
Power source	V	3ø AC220V 50/60Hz			
Total overburdening current consumption	A	3	5	6	9
Water pump horsepower	W, 50/60Hz	60/80	450/560	450/560	530/750
Water pump discharge rate	l/min, 50/60Hz	32/38	37/40	37/40	37/40
Water tank	liter	7	10	26	40
Inlet and outlet pipe-diameter	inch	1/2"x1/2"	1/2"x1/2"	3/4"x3/4"	1"x1"
Dimension (D x W x H) - a tpye	mm	366 x 444 x 569	378 x 456 x 794	518 x 506 x 1028	674 x 544 x 1198
Dimension (D x W x H) - w tpye	mm	366 x 444 x 569	378 x 456 x 794	518 x 506 x 1028	674 x 544 x 1318
Refrigerant	gas	R134a/R407C			
Weight - a type	kgs	44	54	92	125
Weight - w tpye	kgs	44	52	91	128

ITEM NO.		57103919	57103920	57103921	57103922
Cooling capacity	BTU/HR, 50/60Hz	28800/36000	48000/60000	72000/90000	96000/120000
	KCAL/HR, 50/60Hz	7200/9000	12000/15000	18000/22500	24000/30000
	W, 50/60Hz	8372/10465	13952/17441	20929/26162	27906/34883
Operative range	Room temperature	5°C ~ 45°C			
	Liquid temperature	5°C ~ 45°C			
Setting range	Differential temperature controller	-9.9°C ~ 9.9°C			
	Constant temperature controller	20°C ~ 40°C			
Power source	V	3ø AC220V 50/60Hz			
Total overburdening current consumption	A	13	14	38	42
Water pump horsepower	W, 50/60Hz	700/1060	700/1060	1080/1620	1080/1620
Water pump discharge rate	l/min, 50/60Hz	37/40	37/40	83/91	83/91
Water tank	liter	65	94	133	133
Inlet and outlet pipe-diameter	inch	1"x1"	1"x1"	1-1/4"x1-1/4"	1-1/4"x1-1/4"
Dimension (D x W x H) - a tpye	mm	665 x 651 x 1388	695 x 815 x 1600	1270 x 890 x 1788	1350 x 1020 x 1788
Dimension (D x W x H) - w tpye	mm	926 x 606 x 1299	926 x 606 x 1299	1105 x 705 x 1399	900 x 1350 x 1687
Refrigerant	gas	R134a/R407C			
Weight - a type	kgs	175	214	387	415
Weight - w tpye	kgs	191	249	176	550

P.S. Dissipate heat way - air type
water type



WIRE CUTTING WATER COOLERS

APPLICATION:

- Wire cutting machine.



FEATURES:

- Exhaust heat is removed from the top.
- Maintain constant cooling temperature that ensures high product precision and reduces wire consumption.
- Intelligent temperature control with precision 0.5°C ~ 1°C.
- It uses temperature control panel and can move the sensor to install working table.
- Filling the high-efficiency environmental refrigerant is without pollution.

ITEM NO.		57103937	57103938
Cooling capacity	BTU/HR, 50/60Hz	6400/8000	9600/12000
	KCAL/HR, 50/60Hz	1600/2000	2400/3000
	W, 50/60Hz	1860/2325	2790/3488
Operative range	Room temperature	5°C ~ 45°C	
	Liquid temperature	5°C ~ 45°C	
Setting range	Differential temperature controller	-9.9°C ~ 9.9°C	
	Constant temperature controller	20°C ~ 40°C	
Power source	V	1ø AC220V 50/60Hz	
Total overburdening current consumption	A	6	7
Applicable discharge rate	l/min	37/40	37/40
Inlet and outlet pipe-diameter	inch	3/4" x 3/4"	3/4" x 3/4"
Dimension (D x W x H)	mm	475 x 537 x 811	475 x 537 x 811
Refrigerant	gas	R134a/R407C	
Weight	kgs	50	50

ITEM NO.		57103939	57103940	57103941
Cooling capacity	BTU/HR, 50/60Hz	14400/18000	19200/24000	28800/36000
	KCAL/HR, 50/60Hz	3600/4500	4800/6000	7200/9000
	W, 50/60Hz	4186/5233	5580/6976	8372/10465
Operative range	Room temperature	5°C ~ 45°C		
	Liquid temperature	5°C ~ 45°C		
Setting range	Differential temperature controller	-9.9°C ~ 9.9°C		
	Constant temperature controller	20°C ~ 40°C		
Power source	V	3ø AC220V 50/60Hz		
Total overburdening current consumption	A	8	8	10
Applicable discharge rate	l/min	37/40	37/40	37/40
Inlet and outlet pipe-diameter	inch	1"x1"	1"x1"	1"x1"
Dimension (D x W x H)	mm	696 x 494 x 1217	696 x 494 x 1217	926 x 606 x 1299
Refrigerant	gas	R134a/R407C		
Weight	kgs	100	108	128



G “ INDUSTRIAL SUPPLIES

WATER CHILLERS FOR PHOTOELECTRICITY, SEMICONDUCTOR AND SOLAR ENERGY INDUSTRIES

APPLICATION:

- High-precision laser welding machine.
- Photoelectricity, semiconductor and solar energy industries.
- Cooling for hi-tech industries of thin film processing.
- Requirement for pure water, high resistance and deionized (DI) hi-tech industries.

FEATURES:

- Use the PID thermostat to maintain temperature precision $\pm 0.2^{\circ}\text{C}$.
- By using the high-pressure pump and protection system of circuit pressure relief.
- Use SUS 316 stainless steel compact brazed heat exchanger and energy saving to prevent the circuit from clogging or breakdown that caused by rust.
- Assembling DI water filter which could make the purity of DI water maintain above to 10M Ω
- Filling the high-efficiency environmental refrigerant is without pollution.



ITEM NO.		57105247	57105248	57105249	57105250
Cooling capacity	BTU/HR, 50/60Hz	800/1000	3200/4000	9600/12000	19200/24000
	KCAL/HR, 50/60Hz	200/250	800/1000	2400/3000	4800/6000
	W, 50/60Hz	232/290	929/1162	2790/3488	5580/6976
Operative range	Room temperature	5°C ~ 45°C			
	Liquid temperature	5°C ~ 45°C			
Setting range	Differential temperature controller	-9.9°C ~ 9.9°C			
	Constant temperature controller	20°C ~ 40°C			
Power source	V	3 ϕ AC220V 50/60Hz			
Total overburdening current consumption	A	3	5	6	9
Water pump horsepower	W, 50/60Hz	60/80	450/560	450/560	530/750
Water pump discharge rate	l/min, 50/60Hz	32/38	37/40	37/40	37/40
Water tank	liter	7	10	26	40
Inlet and outlet pipe-diameter	inch	1/2"x1/2"	1/2"x1/2"	3/4"x3/4"	1"x1"
Dimension (D x W x H) - a tpye	mm	366 x 444 x 569	378 x 456 x 794	518 x 506 x 1028	674 x 544 x 1198
Dimension (D x W x H) - w tpye	mm	366 x 444 x 569	378 x 456 x 794	518 x 506 x 1028	674 x 544 x 1318
Refrigerant	gas	R134a/R407C			
Weight - a type	kgs	44	54	92	125
Weight - w tpye	kgs	44	52	91	128

ITEM NO.		57105251	57105252	57105253	57105254
Cooling capacity	BTU/HR, 50/60Hz	28800/36000	48000/60000	72000/90000	96000/120000
	KCAL/HR, 50/60Hz	7200/9000	12000/15000	18000/22500	24000/30000
	W, 50/60Hz	8372/10465	13952/17441	20929/26162	27906/34883
Operative range	Room temperature	5°C ~ 45°C			
	Liquid temperature	5°C ~ 45°C			
Setting range	Differential temperature controller	-9.9°C ~ 9.9°C			
	Constant temperature controller	20°C ~ 40°C			
Power source	V	3 ϕ AC220V 50/60Hz			
Total overburdening current consumption	A	13	14	38	42
Water pump horsepower	W, 50/60Hz	700/1060	700/1060	1080/1620	1080/1620
Water pump discharge rate	l/min, 50/60Hz	37/40	37/40	83/91	83/91
Water tank	liter	65	94	133	133
Inlet and outlet pipe-diameter	inch	1"x1"	1"x1"	1-1/4"x1-1/4"	1-1/4"x1-1/4"
Dimension (D x W x H) - a tpye	mm	926 x 606 x 1299	665 x 651 x 1388	695 x 815 x 1600	1350 x 1020 x 1788
Dimension (D x W x H) - w tpye	mm	926 x 606 x 1299	926 x 606 x 1299	1105 x 705 x 1399	900 x 1350 x 1687
Refrigerant	gas	R134a/R407C			
Weight - a type	kgs	175	214	387	415
Weight - w tpye	kgs	191	249	176	550

P.S. Dissipate heat way
{

air type
wayer type



AIR COOLING FOR OIL COOLERS AND WATER COOLERS

APPLICATION:

- Oil hydraulic system of CNC lathe.
- Various oil hydraulic.
- Various welding machine.
- Printing machine.
- Optical instrument.
- Medical instrument.
- High-cycle machine.



FEATURES:

- Reduce oil temperature and maintain oil viscosity.
- Prevent overheating that might cause damage to the welding head.
- It's easy to maintain and be simple design. Ensure testing instrument reading stability.
- Improve welding efficiency and cost down.

ITEM NO.		57105255	57105256	57105257	57105258
Operative range	Room temperature	35°C ↓			
Power source	V	1ø AC220V 50/60Hz			
Total overburdening current consumption	A	0.3	0.8	2	0.8
Pump	W	-	-	180	-
Condenser ton	ton	0.25	1	1	2
Pump discharge rate	l/min	-	-	7.5	-
Dimension (D x W x H)	mm	301 x 268 x 261	670 x 375 x 695	670 x 375 x 562	876 x 383 x 327
Oil tank	liter	-	-	32	-
Pipe size	inch	3/8" x 3/8"	1/2" x 1/2"	1/2" x 1/2"	1-1/4" x 1-1/4"
Weight	kgs	4	14	32	21

P.S. Air cooling for water chiller

ITEM NO.		57105259	57105260	57105261
Operative range	Room temperature	35°C ↓		
Power source	V	1ø AC220V 50/60Hz	3ø AC220V 50/60Hz	
Condenser ton	ton	0.4	2	3
Motor horsepower	W	375	450	750
Fan horsepower	W	75	150	450
Pump discharge rate	l/min	20	30	30
Water tank	liter	50	56	100
Total overburdening current consumption	A	3	3	4
Pipe size	inch	1/2" x 1/2"	3/4" x 3/4"	1" x 1"
Dimension (D x W x H)	mm	465 x 399 x 611	520 x 556 x 1071	805 x 605 x 1236
Weight	kgs	35	85	115

P.S. Air cooling for water chiller



G “ INDUSTRIAL SUPPLIES



THERMOELECTRIC MODULE AIR CONDITIONERS FOR ELECTRICAL CONTROL PANEL

APPLICATION:

- CNC lathe, press and grinding machine.
- CNC vertical & horizontal machine center.
- CNC internal and external diameter grinder.
- CNC wood carving machine.
- CNC milling machine.
- CNC EDM machine.
- CNC instrument box.

FEATURES:

- Using the thermoelectric module is without filling refrigerant.
- Thermoelectric module is a high-efficiency heat conductivity and energy saving.
- It's easy to install and simple design. No vibration and low noise.
- The components of electrical control panel are maintained dry by the dehumidification.



ITEM NO.		57103895	57103896
Power source	V	1ø AC220V	
TE modules capacity	W	510	1020
Cooling capacity	BTU/HR, 50/60Hz	480/600	960/1200
	KCAL/HR, 50/60Hz	120/150	240/300
	W, 50/60Hz	139/174	278/348
Total overburdening current consumption	A	11	11
Operative range	Room temperature	35°C ↓	
Dissipate heat fan	W	36	72
Cooling fan	W	25	50
Heat discharge	W	300	600
Temperature control	°C	25°C±1.5°C	
Dimension (D x W x H)	mm	200 x 173 x 315	178 x 350 x 308
Weight	kgs	8	15



HEAT PIPE HEAT EXCHANGERS (TOP MOUNT) / (SIDE MOUNT)

APPLICATION:

- Electrical control panel for base station.
- CNC lathe.
- CNC vertical & horizontal machine center.
- CNC double column grinding and milling machine.
- CNC wire cutting machine.
- CNC special made machine.
- CNC instrument box.



FEATURES:

- Handy and efficient heat exchanger. Enclosed design ensures no exchange of internal and ambient air.
- Prevent dust, humidity and moisture from entering into the electrical control panel.
- Heat pipe heat exchanger is an energy saving and high-efficiency heat conductivity. Heat conductivity is 1600 times of copper.
- It's easy to install and simple design.

TOP MOUNT

ITEM NO.		57105262		57105263		57105264		57105265	
Quantity of heat exchange	W	300		500		700		1000	
Heat dissipation capacity	W/°C	15		25		35		50	
Operative range	Room temperature 35°C ↓								
Power source	V	110V	220V	110V	220V	110V	220V	110V	220V
Total overburdening current consumption	A	0.8	0.4	0.8	0.4	0.8	0.4	1.6	0.8
Fan rated power	W	72	72	72	72	72	72	144	144
Hole size (W x H)	mm	230 x 135		275 x 145		275 x 170		384 x 170	
Dimension (D x W x H)	mm	260 x 165 x 377		304 x 175 x 392		305 x 200 x 413		414 x 200 x 456	
Weight	kgs	8		9		10		21	

SIDE MOUNT

ITEM NO.		57103897		57103898		57103899		57103900	
Quantity of heat exchange	W	100		200		300		400	
Heat dissipation capacity	W/°C	5		10		15		20	
Operative range	Room temperature 35°C ↓								
Power source	V	110V	220V	110V	220V	110V	220V	110V	220V
Total overburdening current consumption	A	0.4	0.2	0.4	0.2	0.8	0.4	0.8	0.4
Fan rated power	W	50	50	50	50	72	72	72	72
Hole size (W x H)	mm	216 x 245		210 x 280		215 x 370		190 x 314	
Dimension (D x W x H)	mm	70 x 250 x480		65 x 250 x 577		82 x 250 x 780		90 x 225 x 655	
Weight	kgs	6		6		9		8	

SIDE MOUNT

ITEM NO.		57103901		57103902		57103903		57103904		57103905	
Quantity of heat exchange	W	500		600		700		1000		1400	
Heat dissipation capacity	W/°C	25		30		35		50		55	
Operative range	Room temperature					35°C ↓					
Power source	V	110V	220V	110V	220V	110V	220V	110V	220V	110V	220V
Total overburdening current consumption	A	0.8	0.4	0.8	0.4	0.8	0.4	1.6	0.8	1.6	0.8
Fan rated power	W	72	72	72	72	72	72	144	144	144	144
Hole size (W x H)	mm	260 x 370		290 x 320		260 x 410		368 x 450		400 x 460	
Dimension (D x W x H)	mm	91 x 295 x 780		90 x 340 x 655		100 x 295 x 858		125 x 415 x 940		120 x 440 x 970	
Weight	kg	11		10		13		20		22	



G “ INDUSTRIAL SUPPLIES



AIR / WATER HEAT EXCHANGERS

APPLICATION:

- Electrical control panel for base station.
- CNC vertical & horizontal machine center.
- CNC lathe.
- CNC double column grinding and milling machine.
- CNC EDM machine.
- Requirement for electrical control panel industries.

FEATURES:

- It's easy to install. Simple design and low noise.
- Using water type is without filling refrigerant.
- It can withstand high ambient temperature to run normally.
- To achieve conserve energy and reduce carbon emissions is by using water tower or recycled water from water chiller.



ITEM NO.		57105266		57105267		57105268		57105269	
Cooling liquid flow rate	l/min	4		4		8		8	
Quantity of heat exchange capacity	w	200		700		1000		2000	
Room temperature	°C	40°C ↓							
Power source	v	1ø AC110V or AC220V 50/60 HZ							
Total overburdening current consumption	A	0.4	0.2	0.4	0.2	0.8	0.4	0.8	0.4
Fan rated power	w	36		36		72		72	
Hole size (W x H)	mm	221 x 176 216 x 120		266 x 650		376 x 670		397x 750	
Dimension (D x W x H)	mm	288 x 140 x 527		325 x 140 x 670		415 x 140 x 730		440 x 170 x 800	
Liquid pressure range	bar	0.2~10							
Weight	kgs	7		11		16		22	



AIR CONDITIONERS FOR ELECTRICAL CONTROL PANEL AND COMMUNICATION BASE STATION

APPLICATION:

- Electrical control panel for base station.
- CNC vertical & horizontal machine center.
- CNC lathe.
- CNC double column grinding and milling machine.
- CNC EDM machine.
- Requirement for electrical control panel industries.

FEATURES:

- Prevent dust, humidity and moisture from entering into the electrical control panel.
- Intelligent temperature control with precision $\pm 1^{\circ}\text{C}$. The components of electrical control panel are maintained dry by the dehumidification.
- It can withstand high ambient temperature of 38°C and above.
- Filling the high-efficiency environmental refrigerant is without pollution.



ITEM NO.		57103923	57103924	57103925	57103926
Cooling capacity	BTU/HR, 50/60Hz	800/1000	1600/2000	2400/3000	3200/4000
	KCAL/HR, 50/60Hz	200/250	400/500	600/750	800/1000
	W, 50/60Hz	232/290	464/581	697/872	929/1162
Operative range	Room temperature	5°C ~ 45°C			
Setting range	Constant temperature controller	25°C ~ 30°C			
Power source	V	1Ø AC220V 50/60Hz			
Total overburdening current consumption	A	2.5	3	3.55	4
Fan rated power	W	72	108	108	144
Hole size (W x H)	mm	170 x 413	246 x 345	246 x 345	360 x 370
Dimension (D x W x H)	mm	282 x 221 x 476	365 x 263 x 660	365 x 263 x 660	419 x 264 x 778
Refrigerant	gas	R134a/R407C			
Weight	kgs	19	28	33	40

ITEM NO.		57103927	57103928	57103929	57103930
Cooling capacity	BTU/HR, 50/60Hz	4800/6000	6400/8000	9600/12000	19200/24000
	KCAL/HR, 50/60Hz	1200/1500	1600/2000	2400/3000	4800/6000
	W, 50/60Hz	1395/1744	1860/2325	2790/3488	5580/6976
Operative range	Room temperature	5°C ~ 45°C			
Setting range	Constant temperature controller	25°C ~ 30°C			
Power source	V	1Ø AC220V 50/60Hz		3Ø AC220V 50/60Hz	
Total overburdening current consumption	A	6	6.5	7	15.5
Fan rated power	W	144	144	162	300
Hole size (W x H)	mm	365 x 291	365 x 291	404 x 450	620 x 990
Dimension (D x W x H)	mm	419 x 280 x 778	419 x 280 x 778	464 x 292 x 925	688 x 480 x 1177
Refrigerant	gas	R134a/R407C			
Weight	kgs	43	43	52	126



G “ INDUSTRIAL SUPPLIES



MOVING AIR CONDITIONERS FOR INDUSTRIES

APPLICATION:

- The external hole size of electrical control panel is limited.
- Cooling for partial workstation.
- Cooling for workpiece molding.

FEATURES:

- The strong wind.
- It's suitable for special dimensions of electrical control panel.
- Attach the caster and can move anywhere.
- Adjust the control board within temperature range and control power source.
- Filling the high-efficiency environmental refrigerant is without pollution.



ITEM NO.		57105270	57105271	57105272
Cooling capacity	BTU/HR, 50/60Hz	6400/8000	9600/12000	19200/24000
	KCAL/HR, 50/60Hz	1600/2000	2400/3000	4800/6000
	W, 50/60Hz	1860/2325	2790/3488	5580/6976
Operative range	Room temperature	10°C ~ 40°C		
	Inside temperature	15°C ~ 30°C		
Setting range	Constant temperature controller	20°C ~ 40°C		
Power source	V	1ø AC220V 50/60Hz		3ø AC220V 50/60Hz
Total overburdening current consumption	A	5	6	8
Dimension (D x W x H)	mm	530 x 315 x 986	530 x 315 x 986	689 x 484 x 1520
Refrigerant	gas	R134a/R407C		
Weight	kgs	53	53	125



INFRARED THERMOMETERS (IRT)

< SPECIFICATIONS:

ITEM NO.	57103949	57103950
Distance/spot ratio	8:1	8:1
Temperature range	-20~320°C (-4~605°F)	-20~500°C (-4~930°F)
Accuracy	±2% of reading or ±2°C whichever is greater	±2.0°C (±3°F) from -20~100°C (-4~212°F), ±2% from 100~500°C (212~930°F)
Resolution	0.5°C (0.5°F)	0.2°C (0.2°F)
Thermopile		5~14μm
Repeatability		±1°C (±2°F)
Response time		500 ms.
Operation temp.		0~50°C (32~122°F), 10~90% RH
Auto power off		automatically after approx.6 sec
Emissivity		fixed at 0.95
Storage temp.		-10~60°C (14~140°F)
°C/°F switchable	yes	yes
Backlight	yes	yes
Laser sight switchable	yes	yes
Tripod mount	option	option
Dimensions	150 × 133 × 45 mm	



▲ ITEM NO. 57103949



▲ ITEM NO. 57103950



▲ ITEM NO. 57103951~57103953



> ITEM NO. 57103954~57103957



G “ INDUSTRIAL SUPPLIES



HYBRID INFRARED THERMOMETERS

< SPECIFICATIONS:

ITEM NO.	57103951	57103952	57103953
Distance/spot ratio		12:1	
Temperature range	-32~535°C (-25~999°F)	-32~535°C (-25~999°F)	-32~760°C (-25~1400°F)
Accuracy		±3.0°C (±5°F) from -32~20°C (-25~4°F) ±2.0°C (±3°F) from -20~100°C (-4~212°F) above 100°C (212°F):±2%	
Thermopile		5~14μm	
Repeatability		±1°C (±2°F)	
Resolution		±1°C (±1°F)	
Response time		500 ms	
Supply voltage		9V	
Emissivity	0.95 fixed	adjustable 0.1~ 1.0	adjustable 0.1~ 1.0
Thermocouple (k)	no	yes	yes
E-smart	no	yes	yes
Auto power off		automatically after approx. 6sec.	
Operating temp.		0~50°C (32~122°F), 10~95% RH	
°C/°F switchable		yes	
Backlight		yes	
Laser sight switchable		yes	
Max/mini/avg		yes	
Auto measuring		yes	
Dual display		yes	
Tripod mount		yes	
10 point memory	no	no	yes
Audio alarm	no	no	yes
Cis	no	no	yes
Weight	approx. 185 g	approx. 190 g	approx. 195 g
Dimensions		180 x 65 x 40 mm	

< SPECIFICATIONS:

ITEM NO.	57103954	57103955	57103956	57103957
Distance/spot ratio	30:1	30:1	50:1	50:1
Temperature range	-32~760°C (-25.6~1400°F)	-32~1300°C (-25.6~2372°F)	-32~1300°C (-25.6~2372°F)	-32~1650°C (-25.6~3002°F)
Accuracy		±3.0°C (±5°F) from -32~20°C (-25.6~4°F) ±2.0°C (±3°F) from -20~100°C (-4~212°F) above 100°C (212°F):±2%		
Thermopile		8~14μm		
Repeatability		±1°C (±2°F)		
Resolution	0.1°C (0.1°F)	0.1°C or 0.1°F (above 2000°F:1°F)		
Response time		500 ms		
Supply voltage		9V		
Emissivity		adjustable 0.1~1.0		
Auto power off		automatically after approx. 6sec.		
Operating temp.		0~50°C (32~122°F), 10~90% RH		
°C/°F switchable		yes		
Backlight		yes		
Laser sight switchable		yes		
Max/mini/avgΔT		yes		
10 point memory		yes		
Auto alarm		yes		
Auto measuring		yes		
Dual display		yes		
Tripod mount		yes		
Dimensions		200 x 16 x 51 mm		
Weight		approx. 280 g		



NOISE DOSE METER

ITEM NO. 57105273

MEASUREMENT RANGES:

- Display Range: 30-90dB; 50-110dB; 70-140dB.
- Test Range: 41-86dB; 55-106dB; 75-125dB.
- Frequency Weighting: A; C; Z.
- Peak Range: 90 ~ 143. (PEAK)
- Frequency: 31.5 ~ 8K Hz.
- Peak Weighting: C; Z.
- Battery Life: >30 hr.

STANDARD:

IEC 61252-1993
IEC 61672-1-2003
ANSI S1,25-1992
ANSI S1,4-1983
ANSI S1,43-1997

FEATURES:

- Perform OSHA and IEC Noise accumulation surveys.
- Six built-in standard dose measurement setups: OSHA, MSHA, DOD, ACGIH, ISO85, ISO90.
- One user-defined measurement setup.
- Adjustable Criterion Level, Exchange Rate, and Threshold.
- Data logger up to 1,000,000 readings, sampling times between 1sec and 24hr.
- Stores up to 10,000 dose meter surveys result.
- Data includes Start / Stop Time, %Dose, TWA8, LEP, 8h, Leq, SEL, LN%, SPLMAX, SPLmin, PeakMAX when used in the Dose meter mode.
- In sound level mode, meter displays sound level, time-averaged sound level (Leq), PeakMAX, and sound exposure level. (SEL)
- USB interface with Windows XP / Vista / 7 / 8.



3-in-1 MULTI-FIELD EMF METER

ITEM NO. 57105274

2.4 (inch) color TFT LCD
3 Measurements in one meter

Electromagnetic Field (3 - axis).
AC Electric Field.
RF Strength Field.

- 4 digits, 2.4 inches color TFT LCD.
- Data Hold.
- Sample rate: 6 seconds per time.
- Battery life: approximate 8 hours.
- Battery: 1.5V AAA alkaline battery*3.
- Audible key tone alarm: buzzer
- Dimensions: 115(L) x 60(W) x 21(H) mm.
- Weight: about 120g.
- Operating temperature & humidity: 5°C to 40°C, below 80% RH.
- Storage temperature & humidity: -10°C to 60°C, below 70%.
- Language: English, Traditional Chinese, Simplified Chinese, Japanese, Spanish.



SPECIFICATION:	ELECTROMAGNETIC FIELD	ELECTRIC FIELD	RF STRENGTH FIELD
Sensor type	Low Frequency Magnetic Fields Triple axis (X, Y, Z)	LF Electric Fields	RF Strength
Range	0.02~2000mG, 0.02 to 200μT	50V/m to 2000V/m.	0.02μW/m ² ~ 554mW/m ² 0.01μW / m ² , 0.1μA / m, 0.1mV/m, 0.001μW/cm ² , 1dB
Resolution	0.01/0.1/1 mG or 0.01/0.1/1 μT	1 V/m	
Frequency	50/60 Hz	50/60 Hz	50MHz to 3.5GHz
Accuracy	±(15%+100dgt)	± (7%+50dgt)	± 2dB at 2.45GHz

Remarks: 57105274 can be powered via USB mini-B (5 pin) connection,
user's external power supply (voltage DC 4.8 ~ 5.2V; current ≥ 500mA).



G “ INDUSTRIAL SUPPLIES



BATTERY IMPEDANCE TESTER – USB INTERFACE

ACCESSORIES:

- User's manual.
- Carrying case.
- Clip type test leads set.
- Software CD.
- Adapter AC100 ~ 240V to DC 9 ~ 12V/1A.
- USB cable.
- 1.5V AA alkaline batteries.

APPLICATIONS AND FEATURES:

- Ideal tester for automotive, UPS maintenance and telecommunication applications.
- Quick response time.
- Simultaneously display the results of battery impedance, voltage, measurements.
- Support the comparator function to rate the conditions as pass, warning or fail.

SPECIFICATION:

- Battery capacity : 0 to 500A / h.
- Resistance range : 40mΩ~40Ω.
(Measuring Frequency : 1KHz ±30Hz)
- Voltage range : 4.000V / 40.00V
- Manual Data memory : 999 data sets.
- USB interface datalogger with 9999 records capacity.
- Comparator : Voltage , Impedance.
- Max. voltage measurement : 40VDC (battery checker).
- Comparator: 0~99 records (high / low). For battery internal impedance, voltage.
- Support the comparator function to rate the conditions as PASS, WARNING or FAIL.
- USB interface datalogger with 9999 records capacity.
- Power supply : 1.5V alkaline battery x 6 pcs.



▲ ITEM NO. 57105550

RESISTANCE				
Range	40mΩ	400 mΩ	4 Ω	40 Ω
Resolution	10 μΩ	100 μΩ	1 mΩ	10 mΩ
Current	100 mA	15 mA	1.5 mA	150 μA
Accuracy	+/- (0.8% reading+10 dgt)			

VOLTAGE		TEMPERATURE
Range	4V 40V	-20°C to +60°C (-4°F to +140°F)
Resolution	1 mV 10 mV	0.1°C / 0.1°F
Accuracy	+/- (0.1% reading+10 dgt)	+/- 1°C or +/- 1.8°F



HYDRAULIC PULLERS



< SPECIFICATIONS:

UNIT: mm

ITEM NO.	OUTPUT	REACH	SPREAD	STROKE	JAW TIP			PUMP TIP			WEIGHT (kgs)
					A	B	C	D	E	F	
57102001-1	4TONS	165	30-200/260	55-105	15	7	22	85	42	25	7
57102001	6TONS	165	30-200/260	82-130	11	6	22	85	42	25	7.5
57102002	6TONS	195	30-200/300	82-180	11	10	25	85	42	25	8.1
57103958	6TONS	165/195	30-200/300	82-180	11	6/10	22/25	85	42	25	9.5
57102003	8TONS	210	30-250/355	82-160	11	10	25	85	50	28	8.6
57102004	8TONS	240	30-300/380	82-240	11	10	29	85	50	28	9.7
57103959	8TONS	210/240	30-300/380	82-240	11/14	10	25/29	85	50	28	11.7
57102005	15 TONS	240	50-280/380	82-180	14	10	29	85	60	35	11.7
57102006	15 TONS	320	50-350/410	82-280	30	28	33	85	60	35	27.1
57103960	15 TONS	240/320	50-350/410	82-280	14/30	10/28	29/33	85	60	35	30.1



< SPECIFICATIONS:

UNIT: mm

ITEM NO.	OUTPUT	REACH	SPREAD	STROKE	JAW TIP			PUMP TIP			WEIGHT (kgs)
					A	B	C	D	E	F	
57103961-1	10TON	195	30-250/310	82-130	13	5	22	103	42	25	10.7
57103961-2		250	30-280/340	82-180	15	8	25				18.3
57103961-3		195/250			13/15	5/8	22/25				14.1
57103961-4	12TON	240	30-300/370	82-160	15	8	25	103	50	28	19
57103961-5		280	30-330/400	82-240	18		29				23.3
57103961-6		240/280			15/18		25/29				24
57103961	20TONS	275	50-360/430	82-180	14	10	29	103	60	35	23.7
57103962	20TONS	330	50-360/450	82-280	30	28	33	103	60	35	28.2
57103963	20TONS	275/330	50-410	82-280	14/30	10/28	29/33	103	60	35	46.3
57103964	25TONS	315	480	110-220	27	28	33	103	66	45	35.6
57103965	25TONS	380	50-440/540	110-330	30	36	38	103	66	45	37.8
57103966	25TONS	315/380	50-440/540	110-330	27/30	28/36	33/38	103	66	45	46.3
57102007	30TONS	405	100-540/610	110-260	30	36	38	160	76	55	50



G25 - PULLER SERIES

INDUSTRIAL SUPPLIES

G “ INDUSTRIAL SUPPLIES



HYDRAULIC PULLER SET (75-150 mm)

> ITEM NO. 57103967

For agriculture/machine/garage/industry use

- **Hydraulic ram** (SCM420 $\varnothing$ 37.7 mm)
- **Twin head** 1 pc
- **Triple head** 1 pc
- **Ram nut** (SCM 415 HRC 42-45)
- **Beam** (s45c)
- **4" leg 3 pcs** (SCM 415 HRC 42-45)
- **6" leg 3 pcs** (SCM 415 HRC 42-45)
- **8" leg 3 pcs** (SCM 415 HRC 42-45)
- **Sent pop** ($\varnothing$ 1" $\times$ L30mm S45C)
- **Ram extension rod** ($\varnothing$ 1" $\times$ L2"s45c)
- **Ram extension rod** ($\varnothing$ 1" $\times$ L2"s45c)
- **Main rom** 2 pcs
(hex bar19 mm $\times$ l8" $\times$ $\varnothing$ 15.24 mm-1.75p)
- **Extension rod** 2 pcs
(hex bar19 mm $\times$ l8" $\times$ $\varnothing$ 15.24 mm-1.75p)
- **Bearing separator** spread range 75-150 mm
(SCM415 drop forged hrc42-45)
- **Packing: each set blow case/inner box set/ctn**
N.W.: 16 kgs / G.W.: 17 kgs
Cuft: 1:2



SIX WAYS MULTI-PURPOSE HYDRAULIC PULLER (100/150/200 mm)

> ITEM NO . 57103968

- **Hydraulic ram** (SCM 420 $\varnothing$ 37.7 mm)
- **Combination cross head** (s45c)
- **Combination leg** 3 pcs
(SCM415 DROP FORGED HRC42-45)
- **Steel plate** 6 pcs
- **Screw/nut/washer** 6 pcs
- **Sent pop** $\varnothing$ 1" $\times$ L30 mm S45C)
- **Ram extension rod** ($\varnothing$ 1" $\times$ L2"s45c)
- **Packing: each set blow case/inner box**
5SETS / CTN
N.W.: 24 kgs / G.W.: 25 kgs
Cuft :1.3





MULTI-HYDRAULIC GEAR PULLER KIT (75–150 mm)

➤ ITEM NO. 57105275

FOR AGRICULTURE / MACHINE / GARAGE / INDUSTRY

- Use a versatile set for removing gears, races bearings sprockets and pullers assemble up to different pullers / separators.



Hydraulic Ram 1Piece S45C Ø 37.7mmXL168X 1-1/2" 16T		Extension Rod 1 Piece 1" x 2" Carbon Steel	
4" Leg 3 Pieces Hardened 45° - 48° SCM440		Extension Rod 1 Piece 1" x 4" Carbon Steel	
6" Leg 3 Pieces Hardened 45° - 48° SCM440		Bearing Separator & Bolts 1Set S45C Drop Forged Hardened 42°-45° Capacity : 75mm ~ 105mm Bolt 5/8" x 18t S45C	
8" Leg 3 Pieces Hardened 45° - 48° SCM440		Main Rod 2 Pieces 8" x 13T Carbon Steel	
Twin Head 1 Piece		Main Rod 2 Pieces 8" x 13T Carbon Steel	
Triple Head 1 Piece		Beam 1 Piece Carbon Steel	
Centre Adapter 1 Piece Carbon Steel		Nut 1 Piece Ram Part S45C Hardened 42° - 45°	

✓ ITEM NO. 57105276

COMBINATION GEAR & BEARING SEPARATOR KIT (30~50 mm / 50~75 mm)

Bearing Separator & Bolts 1 set
S45C Drop Forged hardened 42°-45°
Capacity range : 30 ~ 50 mm
(Bolt ø 3/8" x L 120mm x 24t S45C Hardened 42° – 45°)

Bearing Separator & Bolts 1 set
S45C Drop Forged hardened 42°-45°
Capacity range: 50 ~ 75 mm
(Bolt ø 1/2" x L 135mm x 20t S45C Hardened 42° – 45°)

Main Rod 4 Pieces
Hex Bar 17mm 3/8"x L125mm x 16t

Extension Rod 4 Pieces
Hex Bar 14mm 3/8"x L110mm x 16t

Centre Bolt 1 Pieces
5/8" x L175 x 18t/inch Carbon Steel

Beam 1 piece
Carbon Steel



G25 - PULLER SERIES

INDUSTRIAL SUPPLIES

G “ INDUSTRIAL SUPPLIES



TWO-JAW GEAR PULLERS

- CR.V. FORGED HARDENED JAWS CHROME PLATED



< SPECIFICATIONS:

ITEM NO.	SIZE	PACKAGE	CARTON Q'TY	G.W. (kgs)	CUFT	WEIGHT/PC (g)
57103969	3"	BOX	40	18.6	0.9	440
57103970	4"	BOX	20	16.5	0.8	748
57103971	6"	BOX	10	17.5	1.2	1600
57103972	8"	BOX	5	18.5	1.2	3400
57103973	12"	BOX	3	22	1.6	6833



THREE-JAW GEAR PULLERS

- CR.V. FORGED HARDENED JAWS CHROME PLATED



< SPECIFICATIONS:

ITEM NO.	SIZE	PACKAGE	CARTON Q'TY	G.W. (kgs)	CUFT	WEIGHT/PC (g)
57103974	3"	BOX	30	17.5	0.9	482
57103975	4"	BOX	16	18	0.8	969
57103976	6"	BOX	8	19	1	2188
57103977	8"	BOX	4	19	1.3	4375
57103978	12"	BOX	1	12	1	10500



2/3" JAW GEAR PULLERS

- CR.V. FORGED HARDENED JAWS CHROME PLATED



< SPECIFICATIONS:

ITEM NO.	SIZE	PACKAGE	CARTON Q'TY	G.W. (kgs)	CUFT	WEIGHT/PC (g)
57103979	3"	BOX	40	29	1.5	663
57103980	4"	BOX	18	23	1	1139
57103981	6"	BOX	8	22.6	0.9	2563
57103982	8"	BOX	5	30	1.2	5500
57103983	12"	BOX	1	12	1	10500



2" HEAVY DUTY WIPER PULLER

- > ITEM NO. 57103984
FORGED & HARDENED JAW CHROME PLATED



< SPECIFICATIONS:

ITEM NO.	PACKAGE	CARTON Q'TY	N.W. (kgs)	G.W. (kgs)	CUFT	WEIGHT/PC (g)
57103984	BOX	100	20	21	0.8	1850



TWO-JAW PULLER

- REVERSIBLE JAW CR. V. FORGED HARDENED JAW CHROME PLATED



< SPECIFICATIONS:

ITEM NO.	SIZE	PACKAGE	CARTON Q'TY	G.W. (kgs)	CUFT	WEIGHT/PC (g)
57103985	7"	BOX	12	18	0.9	1022



TWO-WAY PULLERS

- FOR TWO OR THREE JAW CR.V. FORGED HARDENED JAW CHROME PLATED



< SPECIFICATIONS:

▲ ITEM NO. 57103986

▲ ITEM NO. 57103987

ITEM NO.	SIZE	PACKAGE	CARTON Q'TY	G.W. (kgs)	CUFT	WEIGHT/PC (g)
57103986	3"	BOX	40	22	1.2	500
57103987	5"	BOX	12	20	0.7	1500



G “ INDUSTRIAL SUPPLIES

PUNCH TYPE FLARING TOOL SET

> ITEM NO. 57103988

FOR 7 SIZES:10, 12, 14, 16, 18, 20 & 22 mm

PACKAGE	CARTON Q'TY	N.W. (kgs)	G.W. (kgs)	CUFT
BLOWCASE	6	18	19	1.4



TUBE CUTTER AND DOUBLE FLARING TOOL KIT

> ITEM NO. 57103989

FLARING TOOL FOR 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" & 5/8"
ADAPTERS: 7 PCS<3/16", 1/4", 5/16", 3/8", 7/16", 1/2" & 5/8">
TUBE CUTTER: TC-131A<1/8"~1 1/8"(3~28 mm)>
FOR COPPER PIPE

> ITEM NO. 57103990

FLARING TOOL FOR 4, 6, 8, 10, 12, 14 & 16 mm

PACKAGE	CARTON Q'TY	N.W. (kgs)	G.W. (kgs)	CUFT
BLOWCASE	12	20	21	1.2



DOUBLE FLARING TOOL KIT

> ITEM NO. 57103991

FLARING TOOL FOR 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" & 5/8"
ADAPTERS: 7 PCS<3/16", 1/4", 5/16", 3/8", 7/16", 1/2" & 5/8">
FOR COPPER PIPE

> ITEM NO. 57103992

FLARING TOOL FOR 1/2", 1/4", 4.75, 5, 6, 8 & 10 mm

> ITEM NO. 57103993

FLARING TOOL FOR 4, 6, 8, 10, 12, 14 & 16 mm

PACKAGE	CARTON Q'TY	N.W. (kgs)	G.W. (kgs)	CUFT
PLASTIC BOX	20	21	22	0.9



DOUBLE FLARING TOOL KIT

> ITEM NO. 57103994

FLARING TOOL FOR 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" & 5/8"
ADAPTERS: 7 PCS<3/16", 1/4", 5/16", 3/8", 7/16", 1/2" & 5/8">
FOR COPPER PIPE

> ITEM NO. 57103995

FLARING TOOL FOR 1/2", 1/4", 4.75, 5, 6, 8 & 10 mm

> ITEM NO. 57103996

FLARING TOOL FOR 4, 6, 8, 10, 12, 14 & 16 mm

PACKAGE	CARTON Q'TY	N.W. (kgs)	G.W. (kgs)	CUFT
BLOWCASE	18	19.5	20.5	1.6





DOUBLE FLARING TOOL KIT

- > ITEM NO. 57103997
FLARING TOOL FOR 3/16", 1/4", 5/16", 3/8" & 1/2"
ADAPTERS: 5 PCS <3/16", 1/4", 5/16", 3/8" & 1/2">
FOR COPPER PIPE
- > ITEM NO. 57103998
FLARING TOOL FOR 4.75, 5, 6, 8 & 10 mm

PACKAGE	CARTON Q'TY	N.W. (kgs)	G.W. (kgs)	CUFT
BLOWCASE	18	19.5	20.5	1.6



DOUBLE FLARING, TUBE CUTTER & DEBURRING TOOL KIT

- > ITEM NO. 57103999
FLARING TOOL FOR 3/16", 1/4", 5/16", 3/8", 1/2" & 5/8"
ADAPTERS: 6 IN 1 < 3/16", 1/4", 5/16", 3/8", 1/2" & 5/8">
TUBE CUTTER: TC-128A <1/8"~1 1/4" (3~32 mm)>
DEBURRING TOOL: DT-200
FOR COPPER PIPE

PACKAGE	CARTON Q'TY	N.W. (kgs)	G.W. (kgs)	CUFT
BLOWCASE	10	25	26	2.7



TUBE CUTTER AND FLARING TOOL KIT (FOR COPPER)

- > ITEM NO. 57104000
BAR: FTB-210A: 3/16", 1/4", 5/16", 3/8", 7/16", 1/2"
CUTTER: TC-126A
ADAPTERS: 3/16", 1/4", 5/16", 3/8" & 1/2"
- > ITEM NO. 57104000-1
BAR: FTB-201M: 4.75, 5, 6, 8 & 10 mm
CUTTER: TC-126A
ADAPTERS: 4.75, 5, 6, 8 & 10 mm

PACKAGE	CARTON Q'TY	N.W. (kgs)	G.W. (kgs)	CUFT
BLOWCASE	12	18	19	1



DOUBLE FLARING TOOL KIT

- > ITEM NO. 57104001
FLARING TOOL FOR 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" & 5/8"
ADAPTERS: 7 PCS < 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" & 5/8">
TUBE CUTTER: TCM-130C <1/8"~5/8" (3~16 mm)>
DEBURRING TOOL: DT-100
FOR COPPER PIPE

PACKAGE	CARTON Q'TY	N.W. (kgs)	G.W. (kgs)	CUFT
BLOWCASE	12	20	21	1.3



G " INDUSTRIAL SUPPLIES



DOUBLE FLARING AND CUTTING TOOL KIT

> ITEM NO. 57104002

FLARING TOOL FOR 3/16", 1/4", 5/16, 3/8", 1/2", 7/16" & 5/8"
ADAPTERS: 5 PCS < 3/16", 1/4", 5/16, 3/8" & 1/2">
TUBE CUTTER: TC-126A < 1/8"~1 1/8" (3~28 mm)>
FOR COPPER PIPE

> ITEM NO. 57104003

FLARING TOOL FOR 4, 4.75, 6, 8, 10, 12 & 14 mm

PACKAGE	CARTON Q'TY	N.W. (kgs)	G.W. (kgs)	CUFT
BLOWCASE	12	22	23	1.4



> ITEM NO. 57104004

FLARING TOOL FOR 4, 4.75, 6, 8, 10, 12 & 14 mm
ADAPTERS: 7 PCS < 4, 4.75, 6, 8, 10, 12 & 14 mm>
TUBE CUTTER: TC-126A < 1/8"~1 1/8" (3~28 mm)>
FOR COPPER PIPE

PACKAGE	CARTON Q'TY	N.W. (kgs)	G.W. (kgs)	CUFT
BLOWCASE	12	20	21	1



BRAKE PIPE FLARING TOOL KITS

FOR COPPER, STEEL, STAINLESS PIPE
STEEL FORGED YOKE
DIE SIZE: A = inch: 3/16", 1/4", 5/16", 3/8" & 1/2"
M = mm: 4.75, 5, 6, 8 & 10 mm
C = inch + mm

ITEM NO. 57104005 (A)
ITEM NO. 57104005-1 (M)
ITEM NO. 57104005-2 (C)

• TURRET ASSEMBLY: 1
• ANGLE: 45°

ITEM NO. 57105564 (A)
ITEM NO. 57105565 (M)
ITEM NO. 57105566 (C)

• TURRET ASSEMBLY: 1
• ANGLE: 37°

ITEM NO. 57105567 (A)
ITEM NO. 57105568 (M)
ITEM NO. 57105569 (C)

• TURRET ASSEMBLY: 2
• ANGLE: 45°

ITEM NO. 57105570 (A)
ITEM NO. 57105571 (M)
ITEM NO. 57105572 (C)

• TURRET ASSEMBLY: 2
• ANGLE: 37° + 45°



ITEM NO.	PACKAGE	CARTON Q'TY	N.W.	G.W.	CUFT
ALL	BLOWCASE	4	17	18	1.4



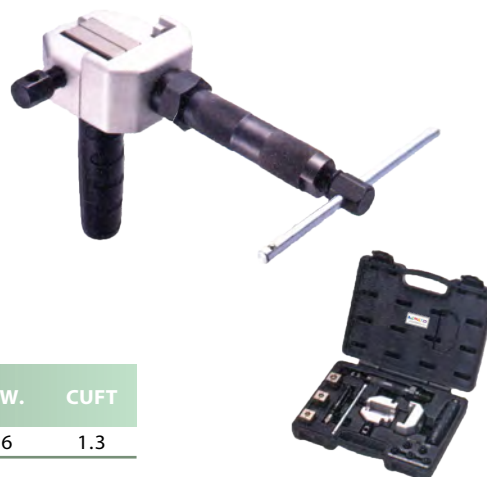
HYDRAULIC FLARING TOOL KITS

FOR HIGH PRESSURE COPPER & STEEL
DIE SIZE: A = inch: 3/16", 1/4"
M = mm: 4.75, 5, 6 mm

ITEM NO. 57105573 (A)
ITEM NO. 57105574 (M)

ITEM NO. 57105575 (A)
ITEM NO. 57105576 (M)

• DEBURRER: DT-602



ITEM NO.	PACKAGE	CARTON Q'TY	N.W.	G.W.	CUFT
ALL	BLOWCASE	6	15	16	1.3



HYDRAULIC FLARING TOOL KITS

FOR HIGH PRESSURE COPPER & STEEL
DIE SIZE: A = inch: 3/16", 1/4"
M = mm: 4.75, 5, 6 mm

ITEM NO. 57105577 (A) • **BENDER: TB-346**
ITEM NO. 57105578 (M) • **CUTTER: TCM-130B**
• **DEBURRER: DT-602**

ITEM NO. 57105579 (A) • **BENDER: TB-346**
ITEM NO. 57105580 (M) • **CUTTER: TCM-130B**
• **DEBURRER: DT-608**



ITEM NO.	PACKAGE	CARTON Q'TY	N.W.	G.W.	CUFT
ALL	BLOWCASE	5	17	18	2



FLARING & SWAGING KIT

> ITEM NO. 57104006
FLARING TOOL WITH SCREEN BAR × 2
FOR 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8" & 3/4"
6 PCS SWAGING DIES INCLUDED

PACKAGE	CARTON Q'TY	N.W. (kgs)	G.W. (kgs)	CUFT
BLOWCASE	12	22	23	1.4



METRIC BUBBLE FLARING TOOL KIT

> ITEM NO. 57104007
FLARING TOOL FOR 4.75, 6, 8 & 10 mm
4 PCS SWAGING DIES INCLUDED

PACKAGE	CARTON Q'TY	N.W. (kgs)	G.W. (kgs)	CUFT
BLOWCASE	12	21	22	1.4



MESTER FLARING TOOL KIT

> ITEM NO. 53104007-1
BAR: FTB-234C: 3/16, 1/4", 5/16", 3/8", 7/16", 1/2"
4.75, 5, 6, 8 & 10 mm
CUTTER: TCM-213
DEBURRER: DT-602
ADAPTERS: CONE 90°: 3/16, 1/4", 5/16", 3/8", 7/16", 1/2"
& 4, 4.75, 6, 8, 10 mm
FTA05: 4.75, 5, 6, 8 & 10 mm

PACKAGE	CARTON Q'TY	N.W.	G.W.	CUFT
BLOWCASE	6	13	14	1.3



G “ INDUSTRIAL SUPPLIES



I.S.O. FLARING TOOL KIT

- > ITEM NO. 57104008
FLARING TOOL FOR 4.75, 6, 8 & 10 mm
ADAPTERS: 4 PCS < 4.75, 6, 8 & 10 mm>
INNER REAMER AND WRENCH / GAUGE INCLUDED
- > ITEM NO. 57104009
FLARING TOOL FOR 4.75, 6, 8 & 10 mm
ADAPTERS: 4 PCS < 4.75, 6, 8 & 10 mm>
GAUGE INCLUDED

PACKAGE	CARTON Q'TY	N.W. (kgs)	G.W. (kgs)	CUFT
BLOWCASE	12	17	18	1.2



FLARING TOOL KIT

- > ITEM NO. 57104010
FLARING TOOL WITH HARDENED SCREEN BAR × 2
FOR 3/16", 1/4", 5/16", 3/8", 1/2", 4.75, 6, 8 & 10 mm
10 PCS ADAPTERS INCLUDED
INNER REAMER: DT-601

PACKAGE	CARTON Q'TY	N.W. (kgs)	G.W. (kgs)	CUFT
BLOWCASE	12	22	23	1



FLARING TOOL & TUBE CUTTER KIT

- > ITEM NO. 57104011
FLARING TOOL WITH HARDENED SCREEN BAR
FOR 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" & 5/8"
TUBE CUTTER: TC-126A <1/8"~1 1/8" (3~28 mm)>
- > ITEM NO. 57104012
FLARING TOOL WITH HARDENED SCREEN BAR
FOR 4.75, 5, 6, 8 & 10 mm
TUBE CUTTER: TC-126A <1/8"~1 1/8" (3~28 mm)>

PACKAGE	CARTON Q'TY	N.W. (kgs)	G.W. (kgs)	CUFT
BLOWCASE	12	18	19	1



- > ITEM NO. 57104013
FLARING TOOL WITH HARDENED SCREEN BAR
FOR 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" & 5/8"
TUBE CUTTER: TC-128A <1/8"~1 1/4" (3~32 mm)>

PACKAGE	CARTON Q'TY	N.W. (kgs)	G.W. (kgs)	CUFT
METAL BOX	6	16	17	1.3



- > ITEM NO. 57104014
FLARING TOOL FOR 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" & 5/8"
TUBE CUTTER: TC-131A <1/8"~1 1/8" (3~28mm)>

PACKAGE	CARTON Q'TY	N.W. (kgs)	G.W. (kgs)	CUFT
BLOWCASE	12	18.5	19.5	1.2





FLARING TOOL, TUBE CUTTER & BENDING SPRING KIT

> ITEM NO. 57104015

FLARING TOOL WITH E-COATED SCREEN BAR
FOR 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" & 5/8"
TUBE CUTTER: TC-131A <1/8"~1 1/8" (3~28 mm)>
BENDING SPRING: 4 PCS SET <3/8", 7/16", 1/2" & 5/8">

> ITEM NO. 57104016

FLARING TOOL WITH E-COATED SCREEN BAR
FOR 4, 6, 8, 10, 12, 14 & 16 mm
TUBE CUTTER: TC-131A <1/8"~1 1/8" (3~28 mm)>
BENDING SPRING: 4 PCS SET <10, 12, 14 & 16 mm>

PACKAGE	CARTON Q'TY	N.W. (kgs)	G.W. (kgs)	CUFT
BLOWCASE	10	22	23	1.5



MASTER TUBING SERVICE KIT

> ITEM NO. 53104016-1

BAR: FTB-2330A: 3/16, 1/4", 5/16", 3/8", 7/16", 1/2" & 5/8"
CUTTER: TCM-130D
DEBURRER: DT-602
BENDER: TB-410: 3/16, 1/4", 5/16", 3/8"
ADAPTERS: 3/16, 1/4", 5/16", 3/8", 7/16", 1/2" & 5/8"

ITEM NO.	PACKAGE	CARTON Q'TY	N.W.	G.W.	CUFT
ALL	BLOWCASE	8	21.5	22.5	1.8



ECCENTRIC CONE TYPE FLARING TOOL WITH TUBE CUTTER AND INSIDE/OUTSIDE DEBURRER

> ITEM NO. 53104017

BAR: 1/8", 3/16, 1/4", 5/16", 3/8", 1/2", 5/8" & 3/4"
CUTTER: TC-126A
DEBURRER: DT-200P

> ITEM NO. 53104018

BAR: 6, 8, 10, 12, 14, 16 & 18 mm
CUTTER: TC-126A
DEBURRER: DT-200P

> ITEM NO. 53104019-1

BAR: 1/8", 3/16, 1/4", 5/16", 3/8", 1/2", 5/8" & 3/4"
6, 8, 10, 12, 14, 16 & 18 mm
CUTTER: TC-126A
DEBURRER: DT-200P

PACKAGE	CARTON Q'TY	N.W. (kgs)	G.W. (kgs)	CUFT
BLOWCASE	10	27	28	2.1



SWAGING AND TUBE CUTTER KIT

> ITEM NO. 57104020

FLARING TOOL WITH SCREEN BAR × 2
FOR SIZE 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8" & 3/4"
6 PCS SWAGING DIES INCLUDED
TUBE CUTTER: TC-200 <1/4"~1 1/2" (6~38 mm)>

PACKAGE	CARTON Q'TY	N.W. (kgs)	G.W. (kgs)	CUFT
METAL BOX	6	19	20	0.6



G “ INDUSTRIAL SUPPLIES

SWAGING AND TUBE CUTTER KIT

- > ITEM NO. 57104021
FLARING TOOL WITH SCREEN BAR × 2
FOR SIZE 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8" & 3/4"
6 PCS SWAGING DIES INCLUDED
TUBE CUTTER: TC-128A <1/8"~1 1/4" (3-32 m)>

PACKAGE	CARTON Q'TY	N.W. (kgs)	G.W. (kgs)	CUFT
METAL BOX	6	17	18	0.6



FLARING, SWAGING AND TUBE CUTTER KIT

- > ITEM NO. 57104022
FLARING TOOL WITH SCREEN BAR × 2
FOR 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8" & 3/4"
6 PCS SWAGING DIES INCLUDED
TUBE CUTTER: TC-126A <1/8"~1 1/8" (3~28 mm)>

PACKAGE	CARTON Q'TY	N.W. (kgs)	G.W. (kgs)	CUFT
BLOWCASE	10	27	28	1



HOOK AND PIN WRENCH KIT

- > ITEM NO. 57104023
CAPACITY: 3/4"~4 3/4"

PACKAGE	CARTON Q'TY	N.W. (kgs)	G.W. (kgs)	CUFT
BLOWCASE	10	11	12	0.8



PIN SPANNER WRENCHES

- > ITEM NO. 57104024-1

SIZE	PACKAGE	CARTON Q'TY	N.W.	G.W.	CUFT	G
20-100 mm	BLOWCASE	15	17	18	1.8	1140



AUTO TUBE CUTTER KITS

- > ITEM NO. 57104025-1, 57104025-2, 57104025-3
FOR COPPER
BODY: ZINC
WITH A DEBURRING TOOL
INCLUDING 10PCS SPARE CUTTING WHEELS

SIZE (OUTSIDE)	SIZE (INSIDE)	PACKAGE	CARTON Q'TY
10, 15, 18, 22, 28 mm	-	BLOWCASE	20
1/4", 3/8", 1/2", 5/8", 3/4"	-	BLOWCASE	20
-	3/4", 1/2", 1"	BLOWCASE	20

N.W.	G.W.	CUFT	G	STANDARD
26	27	1.9	1300	TCW-047158S
21	22	1.9	1070	TCW-047158S
20	21	1.9	1000	TCW-047158S

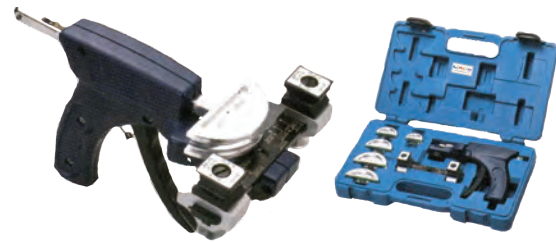




MINI ONE HAND BENDER KIT

> ITEM NO. 57105557

BODY: ALUMINUM
BEND PLATE: ALUMINUM
FOR COPPER AND STEEL
5 mm (3/16"), 6 mm (1/4"), 8 mm (5/16"), 10 mm (3/8") & 12 mm (1/2")



PACKAGE	CARTON Q'TY	N.W.	G.W.	CUFT	G
BLOWCASE	6	9	10	1.5	1500



ONE HAND BENDER KIT

> ITEM NO. 57105558 (A), 57105559 (M)

BODY: ALUMINUM
BEND PLATE: ALUMINUM
FOR COPPER
ITEM NO. 57105558 (A): 3/8", 1/2", 5/8", 3/4" & 7/8"
ITEM NO. 57105559 (M): 10, 12, 14, 15, 16, 18, 20, & 22 mm



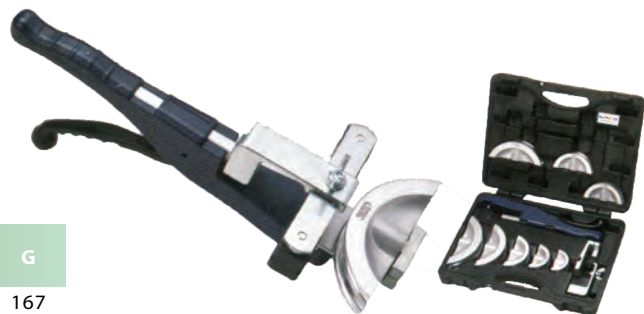
PACKAGE	CARTON Q'TY	N.W.	G.W.	CUFT	G
BLOWCASE	4	16	17	1.5	167



ONE HAND BENDER KIT (TWO WAY)

> ITEM NO. 57105560 (A), 57105561 (M)

BODY: ALUMINUM
BEND PLATE: ALUMINUM
FOR COPPER
ITEM NO. 57105560 (A): 3/8", 1/2", 5/8", 3/4" & 7/8"
ITEM NO. 57105561 (M): 10, 12, 14, 15, 16, 18, 20, & 22 mm



PACKAGE	CARTON Q'TY	N.W.	G.W.	CUFT	G
BLOWCASE	4	17	18	1.5	167



ONE HAND BENDER KIT

> ITEM NO. 57105562 (A), 57105563 (M)

BODY: ALUMINUM
BEND PLATE: ALUMINUM
FOR COPPER
INCLUDING ONE TUBE CUTTER (T-C138A) AND DEBURRER (DT200P)
ITEM NO. 57105562 (A): 3/8", 1/2", 5/8", 3/4" & 7/8"
ITEM NO. 57105563 (M): 10, 12, 14, 15, 16, 18, 20, & 22 mm



PACKAGE	CARTON Q'TY	N.W.	G.W.	CUFT	G
BLOWCASE	4	19	20	1.5	167



G “ INDUSTRIAL SUPPLIES

HOLE PUNCH KIT

> ITEM NO. 57104026

- FOR SHEET METAL
- FOR SIZES: 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 9/32"

PACKAGE	CARTON Q'TY	N.W. (kgs)	G.W. (kgs)	CUFT
BOX	15	20.5	21.5	1.1



ELECTRIC FLARING TOOL KITS

OPTION



FLARING TOOL SET



CLAMP WITH LINER



▲ CLAMP
(FOR FLARING)



▲ CLASPER
(FOR FLARING)



▲ FLANGE
(FOR LINER)



▲ FLANGER
(FOR LINER)



▲ FLANGE CONE
(FOR LINER)



▲ M4 HEX
SCREW



▲ HEX
WRENCH



▲ BATTERY



▲ MINI TUBE
CUTTER



▲ DEBURRING TOOL

ITEM NO.	SIZE (OUTSIDE)	PACKAGE	CARTON Q'TY	N.W.	G.W.	CUFT	G
57105551(A)	1/4", 3/8", 1/2", 5/8", 3/4"	BLOWCASE	4	11	12	1.8	-
57105552(M)	6, 8, 10, 12, 16 mm	BLOWCASE	4	11	12	1.8	-
57105553(A)	1/4", 3/8", 1/2", 5/8", 3/4"	BLOWCASE	4	11	12	1.8	-
57105554(M)	6, 8, 10, 12, 16 mm	BLOWCASE	4	11	12	1.8	-
57105555(A)	1/4", 3/8", 1/2"	BLOWCASE	4	11	12	1.8	-
57105556(M)	8, 10, 12 mm	BLOWCASE	4	11	12	1.8	-

CLASPER	FLANGE SPECIFICATION	LINER	FLANGE CONE	M4 HEX SCREW	HEX WRENCH	BATTERY QUANTITY	MINI TUBE CUTTER	DEBURRING TOOL
•				•	•	2	•	•
•				•	•	2	•	•
•	1/2", 3/4"	•	•	•	•	2	•	•
•	1/2", 3/4"	•	•	•	•	2	•	•
•				•	•	1		
•				•	•	1		



WELDING, CUTTING & HEATING COMPLETE OUTFIT



◀ ITEM NO. 57104027

GIANT OUTFIT HEAVY DUTY

CAPACITY:

Cutting up to 8" (200mm), welding up to 1/2" (12.7mm) steel.

PACKING:

Strong and attractive P.P. case, which easy for carrying and storage.

FEATURES:

- Torch handle w/two stainless steel needle valves for fast, accurate flame adjustment.
- Torch handle wall thickness design give stronger strength & durability.
- Torch handle no screws or soldered parts for easier maintenance.
- Torch handle tough extruded brass made for durability.
- Cutting attachment has double O-rings seal for quick, hand tight connection & leak free.
- Cutting attachment stainless steel tubes construction for maximum strength & log life.
- Cutting attachment head & body in forged brass for longer life.
- Cutting attachment with press lever for easy cutting use.
- Regulator forged brass cover for long lasting.
- Two pieces of check valves attached to prevent from backfire to hose for safety.
- Each piece of nozzle with swaged elbow tip can individualize spiral mixer.

APPLICATION:

Precise welding, brazing, soldering, hard facing, heat/treating, and priming, straightening descaling and scarfing, gouging, flame cleaning, rivet washing and cutting.

✓ COMPLETE OUTFIT CONTENTS

N.W. 10.8 kgs

CONTENTS	TORCH HANDLE	CUTTING ATTACHMENT	OXYGEN REGULATOR	ACETYLENE REGULATOR	TIPS (SIZE)			ACCESSORIES
					WELDING	HEATING	CUTTING	
MODEL	VH-211	VH-212	OR-213 (VH-7M)	AR-214 (VH-1.4M)	VH-W (1,3,5)	VH-H (8)	1-101 (1)	Twin hose: 20fts 1/4" w/fittings, sparklighter, goggles, tip cleaners and check valves.

NOTE: Outlet connection can be supplied to suit country. Inlet connection can be supplied to suit country & switched to side entry or bottom center entry.



G “ INDUSTRIAL SUPPLIES



WELDING CUTTING & HEATING COMPLETE OUTFIT



Cutting Nozzle (Acetylene)

- 1-1-101

Option:

- 000-1-101
- 00-1-101
- 0-1-101
- 2-1-101
- 3-1-101
- 4-1-101
- 5-1-101
- 6-1-101



Cutting Nozzle (Propane)

- 1-1-GPN
- 2-1-GPN
- 3-1-GPN
- 4-1-GPN
- 5-1-GPN
- 6-1-GPN



Oxygen Regulator

- OR-213 (VH-7M)



Acetylene Regulator

- AR-214 (VH-1.4M)



Cutting Attachment

- VH-212

Option:



Cutting Attachment

- VH-2460



Welding Tip(Acetylene)

- VH-W1
- VH-W3
- VH-W5

Option:

- VH-W00
- VH-W0
- VH-W2
- VH-W4
- VH-W6
- VH-W7



Heating Tip (Acetylene)

- VH-H8

Option:

- VH-H10
- VH-H12



Torch Handle

- VH-211 (9"length)

Option:

- VH-211A (11"length)



Check Valve

- 88-3FGR
- 88-3FGL



Flashback Arrestor

- 188-R
- 188-L

Option:



WELDING CUTTING & HEATING COMPLETE OUTFIT

< ITEM NO. 57104028



SENIOR OUTFIT MEDIUM DUTY

UL approval quality to torch handle, cutting attachment, high pressure gauge and regulators to ensure high safety quality.

CAPACITY:

Cutting up to 6" (150 mm), welding up to 3/8" (9 mm) steel.

PACKING:

Strong and attractive P.P. case, which easy for carrying and storage.

FEATURES:

- Torch handle w/two stainless steel needle valves for fast, accurate flame adjustment.
- Torch handle wall thickness design give stronger strength & durability.
- Torch handle no screws or soldered parts for easier maintenance.
- Torch handle tough extruded brass made for durability.
- Cutting attachment has double O-rings seal for quick, hand tight connection & leak free.
- Cutting attachment stainless steel tubes construction for maximum strength & long life.
- Cutting attachment head & body in forged brass for longer life.
- Cutting attachment with press lever for easy cutting use.
- Each piece of nozzle with swaged elbow tip can individualize spiral mixer.
- Hose connection is 9/16"-18N. Other thread sizes are available.

APPLICATION:

Precise welding, brazing, soldering, hard facing, heat/treating, and priming, straightening descaling and scarfing, gouging, flame cleaning, rivet washing and cutting.

COMPLETE OUTFIT CONTENTS

N.W. 8.0 kgs

CONTENTS	TORCH HANDLE	CUTTING ATTACHMENT	CHECK VALVE	OXYGEN REGULATOR	ACETYLENE REGULATOR	TIPS (SIZE)			ACCESSORIES
						WELDING	HEATING	CUTTING	
MODEL	VM-221	VM-222	OPTIONAL	OR-VM (VM-7M)	AR-VM (VM-1.4M)	VM-W (0,2,4)	VM-H (6)	3-101 (0)	Twin hose: 15fts 1/4" w/fittings, sparklighter, goggles and tip cleaners.

NOTE: Outlet connection can be supplied to suit country.

Inlet connection can be supplied to suit country & switched to side entry or bottom center entry.



G “ INDUSTRIAL SUPPLIES



Cutting Nozzle (Acetylene)

- 0-3-101

Option:

- 1-3-101
- 2-3-101
- 3-3-101
- 4-3-101
- 5-3-101
- 6-3-101



Cutting Nozzle (Propane)

- 1-3-GPN
- 2-3-GPN
- 3-3-GPN
- 4-3-GPN
- 5-3-GPN
- 6-3-GPN



Oxygen Regulator

- OR-VM(VM-7M)



Acetylene Regulator

- AR-VM (VM-1.4M)



Cutting Attachment

- VM-222

Option:



Cutting Attachment

- VM-333



Welding Tip (Acetylene)

- VM-W0
- VM-W2
- VM-W4

Option:

- VM-W00
- VM-W1
- VM-W3
- VM-W5
- VM-W6
- VM-W7



Heating Nozzle (Acetylene)

- VM-H6



Torch Handle

- VM-221

Option:



Check Valve

- 88-3FGR
- 88-3FGL

Option:



Flashback Arrestor

- 188-R
- 188-L



WELDING, CUTTING & HEATING COMPLETE OUTFIT

◀ ITEM NO. 57104029



LEADER OUTFIT MEDIUM DUTY

CAPACITY:

Cutting up to 6" (150 mm), welding up to 3/8" (9 mm) steel.

PACKING:

Strong and attractive P.P. case, which easy for carrying and storage.

FEATURES:

- Torch handle w/two stainless steel needle valves for fast, accurate flame adjustment.
- Torch handle w/two separate gas tubes for safety.
- Torch handle brass made for durability.
- Cutting attachment has double O-rings seal for quick, hand tight connection & leak free.
- Cutting attachment with triangular stainless steel tubes for maximum strength & long life.
- Cutting attachment mixer inside the head portion for operator safety.
- Cutting attachment head & body in forged brass for longer life.
- Cutting attachment medium pressure design resists backfire.
- Cutting attachment with press lever for easy cutting use.
- Regulator chrome bonnet for beauty & attraction.
- Flat seat cutting tips for durability.
- Hose connection is 9/16"-18N. Other thread sizes are available.

APPLICATION:

Precise welding, brazing, soldering, hard facing, heat/treating, and priming, straightening deseaming and scarfing, gouging, flame cleaning, rivet washing and cutting.

✓ COMPLETE OUTFIT CONTENTS

N.W. 7.5 kgs

CONTENTS	TORCH HANDLE	CUTTING ATTACHMENT	MIXER	OXYGEN REGULATOR	ACETYLENE REGULATOR	CHECK VALVE	TIPS (SIZE) WELDING HEATING CUTTING	ACCESSORIES
MODEL	HC 63-2	HC73-2	E2-43	OR-25 (25-10M)	AR-25 (25-1.4M)	OPTIONAL	HCW-W (3,5,7) OPTIONAL	6290 (1)
								Twin hose: 15fts 1/4" w/fittings, sparklighter, goggles and tip cleaners.

NOTE: Outlet connection can be supplied to suit country.

Inlet connection can be supplied to suit country & switched to side entry or bottom center entry.



G28 - WELDING, CUTTING, HEATING OUTFITS & SAFETY ACCESSORIES

INDUSTRIAL SUPPLIES

G “INDUSTRIAL SUPPLIES



WELDING CUTTING & HEATING COMPLETE OUTFIT



Cutting Nozzle (Acetylene)

• 6290-1

Option:

- 6290-000 • 6290-3
- 6290-00 • 6290-4
- 6290-0 • 6290-5
- 6290-2 • 6290-6



Cutting Nozzle (Propane)

- 6290-NX000 • 6290-NX3
- 6290-NX00 • 6290-NX4
- 6290-NX0 • 6290-NX5
- 6290-NX1 • 6290-NX6
- 6290-NX2

Welding Tip (Acetylene)

- HCW-W3 • HCW-W7
- HCW-W5

Option:

- HCW-W0 • HHCW-W6
- HCW-W1 • HHCW-W8
- HCW-W2 • HHCW-W9
- HCW-W4 • HHCW-W10

Option:



Heating Nozzle (Acetylene)

- J-63-1 • J-63-2



Oxygen Regulator

- OR-25 (25-10M)



Acetylene Regulator

- AR-25 (25-1.4M)



Cutting Attachment

- HC73-2



Mixer

- E2-43



Torch Handle

- HC-63-2

Option:



Check Valve

- 88-3FGR • 88-3FGL

Option:



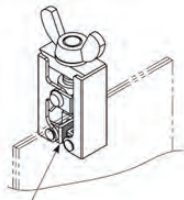
Flashback Arrestor

- 188-R • 188-L



MICRO WELDING CLAMP

- A fast and effective method of fastening materials for pinch/spot welding.
- Unique design generates huge clamping force.
- Ideal for automotive applications and especially effective for positioning body panels prior to welding.
- Apply to small spaces, such as truck edges, windows edges, door columns, hatchback..etc.
- Adjustable thickness clamp from 0 to 7mm.
- 4 PCS/PACK.



FLEX JOINT CLAMP



ITEM NO. 57105277



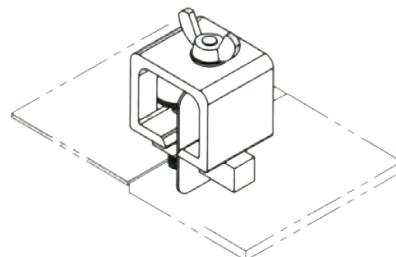
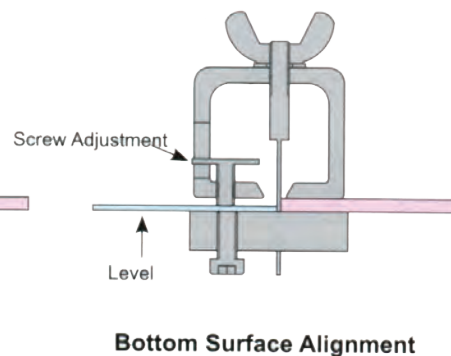
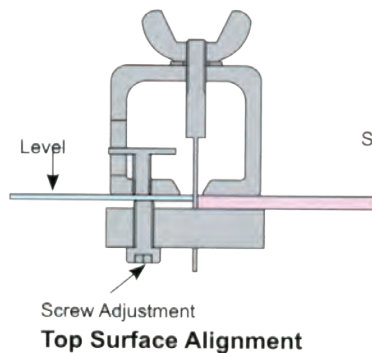
BUTT WELDING CLAMP

- A simple and efficient way of ensuring a perfect welded butt joint.
- Holds panels edge to edge with almost no gap - allowing full penetration of the weld.
- Patented level adjustment allows accurate joining of dissimilar thicknesses of materials.
- Level adjustment allows flat alignment of top or bottom surface of panels.
- Level adjusts between 0 and 3mm either side.
- 4 PCS/PACK.



ITEM NO. 57105278

Patentsd Panel Alignment System



G “ INDUSTRIAL SUPPLIES

PRECISION WELDING CLAMP

- Precise alignment of work piece in “L”, “T” or “I” configuration.
- Integral bubble level ensures accuracy of alignment.
- Wing bolts feature protective tips, preventing damage to surface of work piece.
- Effective, handy and easy to use.
- Material: Zinc alloy

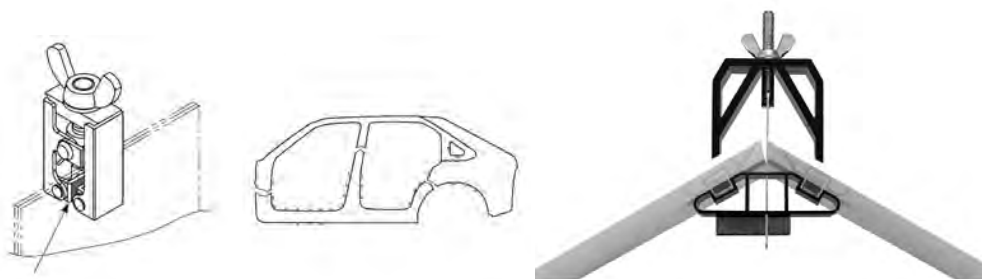
> ITEM NO. 57105279



3 ANGLES WELDING CLAMP

- Securely fix panels at 60°, 90° and 120° angle.
- Secures panels with thickness up to 12.2 mm.
- Magnetic fixture allows panels to be positioned before being clamped in place.
- Unique self-centering design aids fast alignment of panels in clamp.

> ITEM NO. 57105280



WELDING ANGLE CLAMP VISES



L - JOINT WELDED



PARALLEL - WELDED

INSTRUCTION:

- For several welding operation as T-shape, L-shape and parallel seam welding.
- The joints both in screwbar and movable jaw are swinging, and easy to grab different shape of welding objects.

ITEM NO.	SIZE	JAW WIDTH	JAW DEPTH	OPENING	U/Wt. (kgs)	CTN (pc/wt.)	CTN (cuft)
57105581	6"x 6"	4"	1-3/8"	3-3/8"	5.0	4 pcs/ 21.0 kg	1.059
57105582	9"x 9"	4-3/4"	2-3/8"	4-3/8"	9.4	2 pcs/ 19.6 kg	0.953



INVERTER DC STICKS (ARC)-MMA



< ITEM NO. 57105281

- Weight: 5 kgs
- Shock prevention
- 110/220v auto switch
- Hot start
- Withstand large voltage fluctuation
- High duty cycle



< ITEM NO. 57105282

- Weight: 7 kgs
- Shock prevention
- Hot start
- Withstand large voltage fluctuation
- High duty cycle



< ITEM NO. 57105283

- Weight: 9 kgs
- Shock prevention
- Hot start
- Withstand large voltage fluctuation
- High duty cycle



< ITEM NO. 57105284

- Weight: 10 kgs
- Shock prevention
- Hot start
- Withstand large voltage fluctuation
- High duty cycle



< ITEM NO. 57105285

- Weight: 12.5 kgs
- Hot start
- Withstand large voltage fluctuation
- High duty cycle
- 380V ONLY



< ITEM NO. 57105286

- Weight: 28 kgs
- Hot start
- Withstand large voltage fluctuation
- High duty cycle
- Safely parallel

UNIT: mm

ITEM NO.		57105281	57105282	57105283
Input voltage	V	110/220Auto switch	220	220
Phase	Frequency	Φ/HZ	1Φ	50/60
Rated power	KVA	7	8	9
Output current	A	110/160	200	200
Duty cycle	%	100	80	80
Dimension (L x W x H)	mm	360 x 155 x 170	370 x 170 x 245	370 x 170 x 245
Weight	kgs	5	7	9
Welding capacity (electrode)	mm	3.2	4.0	4.0

UNIT: mm

ITEM NO.		57105284	57105285	57105286
Input voltage	V	220	380~480	220/380
Phase	Frequency	Φ/HZ	1Φ	50/60
Rated power	KVA	15	15	20
Output current	A	300	300	400
Duty cycle	%	80	80	80
Dimension (L x W x H)	mm	370 x 165x 300	370 x 165 x 300	458 x 232 x 368
Weight	kgs	10	12.5	28
Welding capacity (electrode)	mm	5.0	5.0	6.0



G28 - WELDING, CUTTING, HEATING OUTFITS & SAFETY ACCESSORIES

INDUSTRIAL SUPPLIES

G " INDUSTRIAL SUPPLIES



INVERTER TIGS (DC/DC-AC)



< ITEM NO. 57105287 (DC)

- Weight: 10.5 kgs
- Output: 200A
- 110/220v auto switch



< ITEM NO. 57105288 (DC)

- Weight: 6 kgs
- Output: 200A
- 110/220V Auto switch
- Light weight



< ITEM NO. 57105289 (DC)

- Weight: 12 kgs
- Output: 200A
- Crater, Repeat
- Slow up / down



< ITEM NO. 57105290 (DC)

- Weight: 15 kgs
- Output: 250A
- Crater, Repeat
- Slow down



< ITEM NO. 57105291 (DC)

- Weight: 15 kgs
- Output: 250A
- Pulse, Crater, Repeat
- Slow up / down



< ITEM NO. 57105292 (DC)

- Weight: 9 kgs
- Output: 250A
- Light weight



< ITEM NO. 57105293 (DC)

- Weight: 16 kgs
- Output: 300A
- Crater, Repeat
- Slow down



< ITEM NO. 57105294 (DC)

- Weight: 16 kgs
- Output: 300A
- Pulse, Crater, Repeat
- Slow up / down



< ITEM NO. 57105295 (DC)

- Weight: 24 kgs
- Output: 300A
- Crater, Repeat
- Slow down
- High duty cycle



< ITEM NO. 57105296 (DC)

- Weight: 24 kgs
- Output: 300A
- Pulse, Crater
- Repeat
- Slow up / down
- High duty cycle

• INVERTER TIGS (DC/DC-AC)



◀ ITEM NO. 57105297 (AC/DC)

- Weight: 28 kgs
- Output: 300A
- Pulse , Crater
- Repeat
- Slow up / down



◀ ITEM NO. 57105299 (DC)

- Weight: 28 kgs
- Output: 400A
- Crater, Repeat, pulse
- Slow up / down



◀ ITEM NO. 57105301 (AC/DC)

- Weight: 72 kgs
- Output: 600A
- Pulse , Crater
- Repeat
- Slow up / down
- High duty cycle



◀ ITEM NO. 57105298 (DC)

- Weight: 28 kgs
- Output: 400A
- Crater, Repeat
- Slow down



◀ ITEM NO. 57105300 (DC)

- Weight: 50 kgs
- Output: 500A
- Pulse , Crater
- Repeat
- Slow up / down
- Safety parallel

ITEM NO.		57105287	57105288	57105289	57105290
Input voltage	V	110/220 Auto switch		220~240 (110/220 A.S.)	
Phase	Frequency	Φ/HZ	1Φ	1Φ	1Φ 50/60
Rated power	KVA	6	6	6	8
Output current	Stick	A	140	140	180
	Tig	A	200	200	250
Duty cycle	%	30	30	60	80
Dimension (L x W x H)	mm	360 x 154 x 290	320 x 155 x 168	410 x 164 x 290	440 x 195 x 290
Weight	kgs	10.5	6	12	15
Welding capacity	Electrode	mm	3.2	3.2	4.0
	Thickness	mm	0.2~3.0	0.2~3.0	0.2~3.0
Pre-flow	sec	0.3	0.3	0.3	0.3
Post-flow	sec	1/5	1-20	1-20	1-20
Crater / Repeat		No	No	Yes	Yes
Pulse 0.5-500	Hz	No	No	Yes	No
Slow up	sec	No	No	0-5	No
Slow down	sec	No	No	0-5	0-5
H.f.		Yes	Yes	Yes	Yes

ITEM NO.		57105291	57105292	57105293	57105294
Input voltage	V	220~240 (110/220 A.S.)		220~240	
Phase	Frequency	Φ/HZ	1Φ 50/60	1Φ	1Φ/3Φ 50/60
Rated power	KVA	8	8	12	12
Output current	Stick	A	180	160	250
	Tig	A	250	250	300
Duty cycle	%	80	40	60	60
Dimension (L x W x H)	mm	440 x 195 x 290	358 x 155 x 220	440 x 215 x 290	
Weight	kgs	15	9	16	16
Welding capacity	Electrode	mm	4.0	4.0	4.0
	Thickness	mm	0.3~4.0	0.3~4.0	0.3~6.0
Pre-flow	sec	0.3	0.3	0.3	0.3
Post-flow	sec	1-20	1-20	1-20	1-20
Crater / Repeat		Yes	No	Yes	Yes
Pulse 0.5-500	Hz	Yes	No	No	Yes
Slow up	sec	0-5	No	No	0-5
Slow down	sec	0-5	No	0-5	0-5
H.f.		Yes	Yes	Yes	Yes



G " INDUSTRIAL SUPPLIES

• INVERTER TIGS (DC/DC-AC)

ITEM NO.		57105295	57105296	57105297	57105298	57105299	57105300	57105301
Input voltage	V	220~240 / 380~440			220~240 / 380~440		220~240 / 380~440	
Phase	Frequency	Φ/HZ	1Φ/3Φ	50/60	1Φ/3Φ	50/60	1Φ/3Φ	50/60
Rated power	KVA	12	12	12	15	15	18	18
Output current	Stick	A	250	250	250	300	300	400
	Tig	A	300	300	300	400	400	500
Duty cycle	%	100	100	60	100	100	60	100
Dimension (L x W x H)	mm	480 x 235 x 370			480 x 235 x 370		510 x 320 x 538	
Weight	kgs	24	24	28	28	28	50	72
Welding capacity	Electrode	mm	5.0	5.0	5.0	6.0	6.0	8.0
	Thickness	mm	0.3~10	0.3~10	0.2~8.0	0.3~12	0.3~12	0.2~15
Pre-flow	sec	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Post-flow	sec	1-20	1-20	1-20	1-20	1-20	1-20	1-20
Crater / Repeat		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Pulse 0.5-500	Hz	No	Yes	Yes	No	Yes	Yes	Yes
Slow up	sec	No	0-5	0-5	No	0-5	0-5	0-5
Slow down	sec	0-5	0-5	0-5	0-5	0-5	0-5	0-5
H.f.		Yes	Yes	Yes	Yes	Yes	Yes	Yes



INVERTER PLASMA CUTTERS



◀ ITEM NO. 57105302

- Weight: 12 kgs
- Output: 40A



◀ ITEM NO. 57105303

- Weight: 6 kgs
- Output: 40A
- Light weight



◀ ITEM NO. 57105304

- Weight: 13.5 kgs
- Output: 50A



◀ ITEM NO. 57105305

- Weight: 9 kgs
- Output: 50A
- Light weight



◀ ITEM NO. 57105306

- Weight: 15 kgs
- Output: 60A
- Crater
- Pilot
- Single phases



◀ ITEM NO. 57105307

- Weight: 16 kgs
- Output: 60A
- Crater
- Pilot
- Single/three phases

• INVERTER PLASMA CUTTERS



◀ ITEM NO. 57105308

- Weight: 22 kgs
- Output: 60A
- Crater
- Pilot
- Single/three phases
- High duty cycle



◀ ITEM NO. 57105309

- Weight: 26 kgs
- Output: 80A
- Crater
- Pilot
- High duty cycle



◀ ITEM NO. 57105310

- Weight: 26/27 kgs
- Output: 100A



◀ ITEM NO. 57105311

- Weight: 60 kgs
- Output: 120A

ITEM NO.			57105302	57105303	57105304	571053305	57105306
Input Voltage	V		220~240	220~240	220~240	220~240	220~240
Phase	Frequency	Φ/HZ	1Φ 50/60	1Φ 50/60	1Φ 50/60	1Φ 50/60	1Φ 50/60
Rated power	KVA		6	6	8	8	12
Output current	A		40	40	50	50	60
Duty cycle	%		40	40	60	60	60
Dimension (L x W x H)	mm		360 x 154 x 290	320 x 155 x 168	410 x 164 x 290	358 x 155 x 220	440 x 195 x 290
Weight	kgs		12	6	13.5	9	15
Cutting capacity	Normal	mm	6	6	8	8	8
	Max	mm	12	12	15	15	15
Pre-flow	sec		0.5	0.5	0.5	0.5	0.5
Post-flow	sec		10/20	10/20	10/20	10/20	1-20
Air pressure	Normal	kg/cm ²	3.5	3.5	3.5	3.5	3.5
Pilot / crater	Min	kg/cm ²	2.2	2.2	2.2	2.2	3.0
H.f.			No	No	No	No	Yes
			No	No	No	No	Yes

ITEM NO.			57105307	57105308	57105309	571053310	57105311
Input Voltage	V		220~240	220~240/380~440	220~240/380~440	220~240/380~440	220~240/380~440
Phase	Frequency	Φ/HZ	1Φ/3Φ 50/60	1Φ/3Φ 50/60	1Φ/3Φ 50/60	1Φ/3Φ 50/60	1Φ/3Φ 50/60
Rated power	KVA		12	12	16	16	25
Output current	A		60	60	80	100	120
Duty cycle	%		60	100	100	40	100
Dimension (L x W x H)	mm		440 x 215 x 290	480 x 235 x 370	480 x 235 x 370	455 x 258 x 376	530 x 322 x 678
Weight	kgs		16	22	26	26/27	60
Cutting capacity	Normal	mm	15	15	25	25	40
	Max	mm	20	30	40	45	60
Pre-flow	sec		0.5	0.5	0.5	0.5	0.5
Post-flow	sec		1-20	1-20	1-20	1-20	1-20
Air pressure	Normal	kg/cm ²	4	4	5	5	5
Pilot / crater	Min	kg/cm ²	3	3	3	3	3
H.f.			Yes	Yes	Yes	Yes	Yes
			Yes	Yes	Yes	Yes	Yes



G “ INDUSTRIAL SUPPLIES



INVERTER 3-IN-1 (STICK-TIG-PLASMA)



< ITEM NO. 57105312

- Weight: 14 kgs
- TIG: 200A
- Stick: 140A
- Plasma: 40A



< ITEM NO. 57105313

- Weight: 15 kgs
- TIG: 200A
- Stick: 160A
- Plasma: 50A



< ITEM NO. 57105314

- Weight: 26 kgs
- TIG: 300A
- Stick: 250A
- Plasma: 60A
- High duty cycle



< ITEM NO. 57105315

- Weight: 28 kgs
- TIG: 300A
- Stick: 250A
- Plasma: 80A
- High duty cycle

ITEM NO.			57105312		57105313		57105314		57105315	
Input voltage		V	110/220		110/220		220~240/380~440		220~240/380~440	
Phase	Frequency	Φ/HZ	1Φ	50/60	1Φ	50/60	1Φ/3Φ	50/60	1Φ/3Φ	50/60
Rated power		KVA	6		8		12		18	
Output current	Stick	A	140		160		250		250	
	Tig	A	200		200		300		300	
	Plasma	A	40		50		60		80	
Duty cycle		%	40		40		100		100	
Dimension (L x W x H)		mm	360 x 164 x 290		360 x 164 x 290		480 x 235 x 370		480 x 235 x 370	
Weight		kgs	14		15		26		28	
Welding capacity	Electrode	mm	3.2		4.0		5.0		6.0	
	Thickness	mm	0.3-3.0		0.3-4.0		0.3-6.0		0.3-10	
Cutting capacity	Normal	mm	6		8		15		25	
	Max	mm	12		15		30		40	
Pre-flow		sec	0.3		0.3		0.3		0.3	
Post-flow		sec	1-20		1-20		1-20		1-20	
Air pressure	Normal	kg/cm ²	3.5		3.5		4		5	
	Min	kg/cm ²	2.2		2.2		3		3	
Pilot / crater			No		No		Yes		Yes	



INVERTER PLASMA WELDING MACHINES (DC)



< ITEM NO. 57105316

- Weight: 35 kgs
- Deep Penetration welding
- Pulse, Crater, Repeat
- Slow up / down



< ITEM NO. 57105317

- Weight: 60 kgs
- Deep Penetration welding
- Pulse, Crater, Repeat
- Slow up / down

ITEM NO.		57105316		57105317	
Input voltage		V	220~240		220~240/380~440
Phase	Frequency	Φ/HZ	1Φ	50/60	1Φ 50/60
Rated power		KVA	4		20
Output current		A	50		350
Duty cycle		%	100		100
Dimension (L x W x H)		mm	530 x 330 x 400		530 x 330 x 750
Weight		kgs	35		60
Welding capacity		mm	5		12
Pre-flow		sec	0.3		0.3
Post-flow		sec	1-20		1-20
Crater / Repeat			Yes		Yes
Pulse 0.5-500		Hz	Yes		Yes
Slow up		sec	0-5		0-5
Slow down		sec	0-5		0-5
H.f.			Yes		Yes



INVERTER CO2 / MIG WELDERS



< ITEM NO. 57105318

- Weight: 12 kgs
- Rating Power: 200A
- Mig wire: 0.8~0.9
- AC220V/1Φ



< ITEM NO. 57105319

- Weight: 21.5 kgs
- Rating Power: 250A
- Mig wire: 0.8/ 0.9/ 1.0
- AC220V 1Φ/3Φ



< ITEM NO. 57105320

- Weight: 28 kgs
- Rating Power: 300A
- Mig wire: 0.8/ 0.9/ 1.0/ 1.2
- Crater / Crater End Current



< ITEM NO. 57105321

- Weight: 31 kgs
- Rating Power: 350A
- Mig wire: 0.8/ 0.9/ 1.0/ 1.2
- Crater / Crater End Current



G " INDUSTRIAL SUPPLIES

• INVERTER CO2 / MIG WELDERS



< ITEM NO. 57105322

- Weight: 33 kgs
- Rating Power: 400A
- Mig wire: 0.8/ 0.9/ 1.0/ 1.2
- Crater / Crater End Current



< ITEM NO. 57105323

- Weight: 52 kgs
- Rating Power: 500A
- Mig wire: 0.9/ 1.0/ 1.2/ 1.4
- Crater / Crater End Current



< ITEM NO. 57105324

- Weight: 60 kgs
- Rating Power: 500A
- Mig wire: 0.8/ 0.9/ 1.0/ 1.2
- Crater / Crater End Current



< ITEM NO. 57105325

- Weight: 65 kgs
- Rating Power: 650A
- Mig wire: 1.0/ 1.2/ 1.4/ 1.6
- Crater / Crater End Current

ITEM NO.			57105318		57105319		57105320		57105321	
Input AC voltage		V	220/240		220/240		220~240/380~440		220~240/380~440	
Phase	Frequency	Φ/HZ	1Φ	50/60	1Φ/3Φ	50/60	1Φ/3Φ	50/60	1Φ/3Φ	50/60
Rating power		KVA	6		8		10		12	
Rating current		A	200		250		300		350	
Duty cycle		%	80		80		100		100	
Dimension (L x W x H)		mm	478 x 255 x 270		478 x 255 x 270		478 x 255 x 400		478 x 255 x 400	
Weight	Power source	kgs	20		21.5		28		31	
	Wire feeder	kgs	13.5		13.5		13.5		13.5	
DC output voltage	No load	V	60		65		65		65	
	Load	V	12~24		12~28		14~34		14~34	
Crater			No		Yes		Yes		Yes	
Crater end current			No		No		Yes		Yes	
Mig wire		mm	0.8/0.9		0.8/0.9/1.0		0.8/0.9/1.0/1.2		0.8/0.9/1.0/1.2	

ITEM NO.			57105322		57105323		57105324		57105325	
Input AC voltage		V	220~240/380~440		220~240/380~440		220~240/380~440		220~240/380~440	
Phase	Frequency	Φ/HZ	1Φ/3Φ	50/60	1Φ/3Φ	50/60	1Φ/3Φ	50/60	1Φ/3Φ	50/60
Rating power		KVA	14		20		24		30	
Rating current		A	400		500		500		650	
Duty cycle		%	80		80		100		100	
Dimension (L x W x H)		mm	478 x 255 x 400		508 x 275 x 595		530 x 326 x 752		530 x 326 x 752	
Weight	Power source	kgs	33		52		60		65	
	Wire feeder	kgs	13.5		14		14		14	
DC output voltage	No load	V	65		65		65		65	
	Load	V	15~36		16~40		18~42		18~46	
Crater			Yes		Yes		Yes		Yes	
Crater end current			Yes		Yes		Yes		Yes	
Mig wire		mm	0.8/0.9/1.2		0.9/1.0/1.2/1.4		1.0/1.2/1.4/1.6		1.0/1.2/1.4/1.6	



SAFETY ACCESSORIES – EYES PROTECTION

WIDE VISION SAFETY GOGGLES

- ITEM NO. 57105623, meets ANSI Z87.1
- ITEM NO. 57105624, CE EN 166 B approval
 - Front in soft, very flexible PVC.
 - 180° view and optimum adaptation.
 - Inter fold especially designed to prevent the entry of liquids.
 - Anti-fog lens for option.



SAFETY GOGGLES

- ITEM NO. 57105625, meets ANSI Z87.1 , CSA Z94.3 approval
- ITEM NO. 57105626, CE EN 166 F approval
- ITEM NO. 57105627, Anti-mist
 - Soft PVC frame & lens high impact clear polycarbonate.
 - Direct vents in the frame, are anti-dust and anti-impact.



WELDING GOGGLES-UV/IR WIDE VISION SAFETY GOGGLE

- ITEM NO. 57105628, meets ANSI Z87.1
- ITEM NO. 57105629, CE EN 166 F approval
 - Lens grade: No. 4
 - Front in soft, very flexible PVC.
 - Aerodynamic design: 180° view and optimum adaptation.
 - Inter fold especially designed to prevent the entry of liquids.
 - Provide provide protection for UV/IR.



WELDING GOGGLES

- ITEM NO. 57105630, meets ANSI Z87.1
- ITEM NO. 57105631, CE EN 175 approval
 - Lens grade: No. 5
 - Cup type (lens: Ø 50mm)
 - Black ABS cup, suitable for welding workplace.
 - 2 indirect vents on both sides and adjustable bridge of the nose.



WELDING GOGGLES

- ITEM NO. 57105632
 - Special designed noise pieces for site comfortably on the noise.
 - Lens grade: No. 5 (Lens: 2" x 4.25")
 - 4 integrated design indirect vents.



G “ INDUSTRIAL SUPPLIES



SAFETY ACCESSORIES – EYES PROTECTION

WELDING GOGGLES

✓ITEM NO. 57105633, Flipped front (lens : Φ 50 mm)

✓ITEM NO. 57105634, meets ANSI Z87.1

✓ITEM NO. 57105635, CE EN 175 F approval

- Lens grade: No. 5
- Green soft PVC frame, ABS lens holder.
- Four indirect vents in the frame and be used in welding workplace.



WELDING GOGGLES

✓ITEM NO. 57105636, meets ANSI Z87.1

✓ITEM NO. 57105637, CE EN 175 F approval

- Flipped front. Default with shade #5 green lens. (Optional #10 #11 #13).
- This goggle combine the ABS lens holder (C) of 57105634 with the soft PVC frame of 57105632, more fit for facepiece (A). 4 well-designed vents in the frame (B), and be used in welding workplace.
- Weder's glasses with double lens: clear welding lens. (lens: Φ 50 mm)
- Clear lenses to be worn underneath welding lenses to combine these with other processes.



WELDING GOGGLES

✓ITEM NO. 57105638

✓ITEM NO. 57105639, meets ANSI Z87.1

✓ITEM NO. 57105640, CE EN 175 F approval

- Flipped front.
- Lens grade: No. 5 (Lens: 2" x 4.25")
- 6 indirect vents on the soft PVC frame.



SAFETY ACCESSORIES – FACE PROTECTION

WELDING HELMET

✓ITEM NO. 57105641, Window size : 2" x 4-1/4"

- This shield combines the advantages of a full protection helmet and the convenience of a handle.



WELDING HELMET

✓ITEM NO. 57105642

Window size : 90mm x 110mm

CE EN175 F approval

- Large, high impact resistant polypropylene shell offers superb coverage Inside handle for added protection.





SAFETY ACCESSORIES – FACE PROTECTION

WELDING HELMET

VITEM NO. 57105643

Flip-front, lens size : 4-1/2"x5-1/4"
meets ANSI Z87.1

- Head gear: 57105647
- Patented design. High impact polypropylene shell design for prolonged use.
- Can be fitted with a more economical head harness.
- Available with #11 shaded welding lens. Other shades available.



WELDING HELMET

VITEM NO. 57105644

Flip-front, lens size : 2" x 4-1/4"
meets ANSI Z87.1
CE EN175 approval

- Head gear: 57105645
- Our newest super streamlined welding helmet, features a high impact polypropylene shell with convenient ratchet style headgear for easy adjustment.



HEAD GEAR

VITEM NO. 57105645

- Nylon ratchet harness (standard) for above helmets.

VITEM NO. 57105646

- Economical slip harness (optional)

VITEM NO. 57105647

- High strength yet flexible nylon construction assure prolonged use and maximum comfort.
- This unique harness has a horizontal adjustment feature to move the shell closer or further from the face for optimal comfort.

VITEM NO. 57105648

- Provide dual function design which with active joint structure same as 57105645, 57105646, 57105649 side afterward to move up and down and with the stop-slip knob same as 57105647.

VITEM NO. 57105646



VITEM NO.
57105647



VITEM NO.
57105645



VITEM NO.
57105649



VITEM NO.
57105648



- This unique harness has a horizontal adjustment feature to move the shell closer or further from the face for optimum comfort.



G “ INDUSTRIAL SUPPLIES



SAFETY ACCESSORIES – FACE PROTECTION

WELDING HELMET-COMBINATIONS

- Safety helmet: 57105650 / 57105651 / 57105652 / 57105653
- Ear muff: 57105654 / 57105655



✓ ITEM NO. 57105656
(57105653+57105657
+57105654)

▲ ITEM NO. 57105655
(57105650+57105658)

LIGHT WEIGHT HELMET MOUNTED FLIP-UP WELDING SCREEN

- > ITEM NO. 57105657
Flip-front lens 2"x 4-1/4"
meets ANSI Z87.1
EN175 approval

- > ITEM NO. 57105658
Fixed-front.

- Will fit most standard safety helmets with 30 mm slot.
- When fitted will protect the wearers face and ears due to the wrap around design.
- Can be used in a variety of work situations.
- This welding helmet cannot be used independently. Must be used in conjunction with safety helmet.
- 57105662 / 57105664 connector helps fit to the safety helmet.
- Will fit most safety helmets with 30 mm slot.



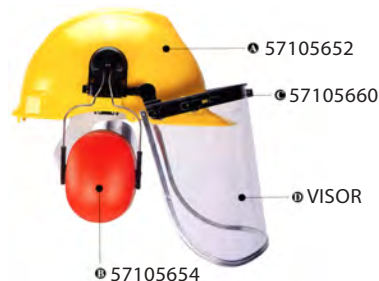
✓ ITEM NO. 57105658

▲ ITEM NO. 57105657

WELDING HELMET-COMBINATIONS

Combination head protectors for head, eyes, face, hearing.

- Includes safety helmet, earmuff, faceshield holder and visor.
- Suitable for various industries:
Metal-cutting operation, spray painting.
Carpentry, house remodification and decoration.
Petroleum industry, chemical engineering.
Agriculture, grinding processing.
Electric welding, iron and steel industry etc.
- Items below as per request can be combined:
A. Safety helmet: 57105650 / 57105651 / 57105652 / 57105653
B. Ear muff: 57105654 / 57105655
C. Face shield holder: 57105660
D. Visor
- 57105661: A+B+C+D
- Please note the proper of the attachment for other brand of helmets.
- The photos of above on this page for reference only.



◀ ITEM NO.
57105664/57105665

▲ ITEM NO.
57105662/57105663

Adaptor

- The different structure (design) of adaptor 57105662 / 57105663 & 57105664 / 57105665 can snap on the safety helmet from the catalogue or others, to connect with ear muff and faceshield as a combination helmet protector.





SAFETY ACCESSORIES – FACE PROTECTION

AUTO DARKENING WELDING HELMET

- 57105666: Fixed front helmet with 2" x 4-1/4" #10~11 auto-darkening filter lens. Meets ANSI A87.1



AUTO DARKENING WELDING HELMET

- 57105667: Fixed front helmet with 4-1/2 x 5-1/4" Adjustable shade auto-darkening filter lens. Meets ANSI A87.1

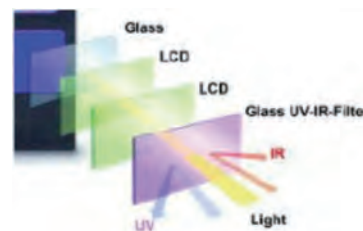


AUTO DARKENING WELDING HELMET

- 57105668: Fixed front helmet with 90 x 110 mm c/w external auto-darkening filter lens. Meets ANSI Z87.1, EN175 EN379 approval.



- All auto-darkening welding helmets have a polypropylene impact resistant shell come with a strong, flexible nylon ratchet harness.
- Auto-darkening filter lenses have high speed switching times (1/25000sec.), and are solar powered and fully adjustable from shades 9-13.



ITEM NO.	57105666	57105667	57105668
Filter size / window size	2" x 4.25" / 25 x 92 mm	4.5" x 5.25" / 42 x 98 mm	3.6" x 4.4" / 42 x 98 mm
Default light shade	#3	#3	#3
Darkness range	#9~#13	#9~#13	#8~#12
Switch time	0.01 ms (1/10000 sec.)	0.04 ms (1/25000 sec.)	0.01 ms (1/10000 sec.)
Shade adjustment	Automatic	Automatic	Automatic
Approval	ANSI Z87.1	ANSI Z87.1	ANSI Z87.1, CE EN175 EN379
UV/IR protection	•	•	•
Operating temperature	-10 ~ +70°C	-10 ~ +70°C	-10 ~ +70°C
Power supply	Solar cells + CR2032	Solar cells + AAA*2 1.5V	Solar cells + CR2032



G “ INDUSTRIAL SUPPLIES

SAFETY ACCESSORIES – HEAD PROTECTION

SAFETY HELMET

▼ ITEM NO. 57105669

- > ITEM NO. 57105669, meet ANSI Z89.1
- > ITEM NO. 57105652, EN397 approval
 - Safety helmet with a high density polypropylene shell with vents.
 - Soft comfortable 4-point polyethylene harness with either slip or ratch adjustment.
- > ITEM NO. 57105671, meet ANSI Z89.1
 - Same specification as SM904 helmet but without vents.



▲ ITEM NO. 57105671

SAFETY HELMET

- > ITEM NO. 57105672, meets ANSI Z89.1
- > ITEM NO. 57105673, CE EN397 approval
 - A complete wraparound peak.
 - High density polypropylene shell suitable for 57105682 / 57105683.
 - 4-point polyethylene 57105682 or webbing 57105683 harness with either slip or ratchet adjustment.



SAFETY HELMET

- > ITEM NO. 57105653, meets ANSI Z89.1
- > ITEM NO. 57105675, CE EN397 approval
 - New design shell offering optimum protection.
 - Soft comfortable 4 or 6-point polyethylene (or webbing) harness either slip or ratchet adjustment.



> ITEM NO. 57105685R

BUMP CAP

- > ITEM NO. 57105676, BUMP CAP
- > ITEM NO. 57105677, CE EN 812 approval
 - Lightweight working cap as great for full time outdoor workers in the non-general workplace.
 - HDPE shell fits in 57105686 or 57105687 headgear.



▲ ITEM NO. 57105678



▲ ITEM NO. 57105679



▲ ITEM NO. 57105680



▲ ITEM NO. 57105681



• Pin lock-type



• Nob ratchet-type (R)



• Slip ratchet-type (P)



▲ ITEM NO. 57105682



▲ ITEM NO. 57105683



▲ ITEM NO. 57105684



▲ ITEM NO. 57105685

ITEM NO.	57105678	57105679	57105680	57105681	57105682	57105683	57105684	57105685
Point	4	4	6	6	4	4	6	6
Material	PE	Nylon	PE	Nylon	PE	Nylon	PE	Nylon
Fit helmet	57105650 / 57105651 / 57105652 / 57105669 / 5710671				57105672 / 57105673		57105653 / 57105675	

- The suffix “R” indicates a nob ratchet-type adjuster / “P” indicates a slip ratchet-type adjuster

• HEAD PROTECTION

✓ ITEM NO. 57105686 ✓ ITEM NO. 57105687



< HELMET PROTECTION

✓ CHIN STRAP

TYPE	ITEM NO.	MATERIAL				FIT HELMET ITEM NO.
	57105688	Woven	•	•		57105650
	57105689					57105651
	57105690	Elastic	•	•		57105652
	57105691					57105669
	57105692	Woven	•	•	•	57105676
	57105693	Woven	•	•	•	57105677
						57105672~5



- We also provide hook type buckle for option.
- Textile strap with snap fastenes for quick attachment and eyelets made from robust plastic, adjustable length, chin pad.



SAFETY ACCESSORIES – BREATH PROTECTION

VERTICAL FOLD-FLAT TYPE (DISPOSABLE MASK)

> ITEM NO. 57105694

- Disposable non-woven fiber mask.
- Soft nose shape design for user's snug fit.
- Suitable for full particulate places, cleaning anti-pollen and industrial & agricultural field.



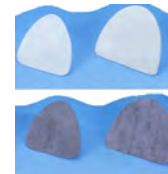
VERTICAL FOLD-FLAT TYPE (DISPOSABLE MASK)

> ITEM NO. 57105695

- Comfortable PE frame design.
- Changeable and washable polyester respirator fiber.
- Low breathing resistant filter 57105697.



✓ ITEM NO. 57105696 / 57105697



Spare Filter

- 57105696 / 57105697 are fit for 57105695 (FM SERIES).
- 57105698 / 57105699 are fit for CM SERIES.

▲ ITEM NO. 57105698 / 57105699

VERTICAL FOLD-FLAT TYPE (DISPOSABLE MASK)

> ITEM NO. 57105700, Pleated active carbon mask

> ITEM NO. 57105701, Ear-loop mask

- Soft nose shape design for user's snug fit.
- Suitable for full particulate places, cleaning anti-pollen and industrial & agricultural.

✓ ITEM NO. 57105700



▲ ITEM NO. 57105701

FOLDABLE TYPE (DISPOSABLE MASK)

> ITEM NO. 57105702 / 57105703, CE EN149:2001+A1:2009 FFP1 approval.

- Sealed edge avoids fluffy open layers and eliminates the possibility of irritation.
- P.P. outer/inner layers provide smooth lining and comfortable feel.
- Soft edges can fit different facial shapes with minimum leakage.
- Continuous loop design can allow to hang the mask around the neck when not in use.
- Easy carry/storage.



▲ ITEM NO. 57105702



▲ ITEM NO. 57105703



G “ INDUSTRIAL SUPPLIES

• BREATH PROTECTION

CUP TYPE (DISPOSABLE MASK)

- > ITEM NO. 57105704,
CE EN149:2001+A1:2009 FFP1 approval.
- Include : 57105704, 57105705, 57105706, 57105707,
- > ITEM NO. 57105708,
CE EN149:2001+A1:2009 FFP1 approval.
- > ITEM NO. 57105709 / 57105710,
meets NIOSH N95

▼ ITEM NO.
57105705 / 57105706



▲ ITEM NO.
57105707 / 57105704

ITEM NO.		PARAMETERS		APPLICATIONS
W/O VALVE	THE EXHALATION VALVE			
57105709 57105710	57105709V	N95	95%	quartz dust / sanding / cutting / milling / drilling / angle grinding / sawing / sewage treatment / mining / resin and adhesive / precessing / agriculture / recycling
57105704	57105706	FFP1	80%	cement dust / flour dust / demolition of brickwork / stonework / printing / powdered / coal dust / minor building cleaning work
57105708 57105708C	57105708V 57105708CV	FFP2	94%	quartz dust / sanding / cutting / milling / drilling / angle grinding / sawing / sewage treatment / mining / resin and adhesive / precessing / agriculture / recycling
57105702	57105703	FFP3	99%	woodwork / refuse incineration / battery production / welding aluminum materials / soldering / weldiog / casting / pathogens / hospitals



SAFETY ACCESSORIES – HEARING PROTECTION

EAR MUFFS

- ▼ ITEM NO. 57105711
meets ANSI S3.19, NRR value : 18dB
- ▼ ITEM NO. 57105712,
CE EN 352-1 approval, SNR value : 23.9db
- Lightweight, economic design.
- Adjustable slot can be adjusted by personal demands.
- Centre mounted cups provide excellent adjustability and evenly distributed pressure.
- Cushioned headband for option.



EAR MUFFS

- ▼ ITEM NO. 57105713,
meets ANSI S12.42/ S3.19, NRR value : 21db
- ▼ ITEM NO. 57105714,
meets ANSI S3.19, NRR value : 35dB
- ▼ ITEM NO. 57105715,
CE EN 352-1 approval, SNR value : 25.5dB
- ▼ ITEM NO. 57105716,
H CE EN 352-1 approval, SNR value : 22.5db
- 57105717: Smooth & comfort leather cover for option
- POM headband, ABS cup and soft PVC leather.
- Adjustable slot on each side to adjust for a snug, comfortable fit 3 positions adjustable headband - head, neck or chin.





SAFETY ACCESSORIES – HEARING PROTECTION

EAR MUFFS

- ITEM NO. 57105718,
meets ANSI S12.42/ S3.19, NRR value : 34dB
- ITEM NO. 57105719,
meets ANSI S3.19, NRR value : 37dB
- ITEM NO. 57105720,
CE EN 352-1 approval, SNR value : 28.5dB
- ITEM NO. 57105721,
H CE EN 352-1 approval, SNR value : 32.1dB

- 57105717: Smooth & comfort leather cover for option.
- Small and very comfortable.
- Fold-away headband: they can be comfortably put away, even in a pocket.
- Height adjustable ear cups: the user adjusts them to fit.

✓ ITEM NO. 57105718+57105717

✓ ITEM NO. 57105718



▲ ITEM NO. 57105717

EAR MUFFS

- ITEM NO. 57105722,
meets ANSI S3.19, NRR value : 34dB
- ITEM NO. 57105723,
CE EN 352-1 approval, SNR value : 22dB

- Lightweight pocket size for easy storage.
- Special profiled on the cup design.



EAR MUFFS (HELMET ATTCHMENT)

- ITEM NO. 57105724,
meets ANSI S12.42/ S3.19, NRR value : 22dB
- ITEM NO. 57105725,
CE EN 352-3 approval, SNR value : 25.9dB

- The 57105654 / 57105655 / 57105724 / 57105725 dielectric ear muffs with helmet attachment can be used in all working environments close to electrical voltage and combines with industrial safety helmets and visors.



Adaptor

- The different structure (design) of adaptor 57105662 / 57105663 & 57105664 / 57105665 can snap on the safety helmet from the catalogue or others, to connect with ear muff, faceshield as a combination helmet protector.



◀ ITEM NO. 57105664 / 57105665

▲ ITEM NO. 57105662 / 57105663



G “ INDUSTRIAL SUPPLIES



SAFETY ACCESSORIES – HEARING PROTECTION

EAR MUFFS (HELMET ATTCHMENT)

- > ITEM NO. 57105726,
meets ANSI S12.42/ S3.19, NRR value : 30dB
- > ITEM NO. 57105727,
CE EN 352-3 approval, SNR value : 23dB
- The 57105726 / 57105727 dielectric ear muffs with helmet attachment can be used in all working environments close to electrical voltage and combines with industrial safety helmets and visors.



Adaptor

- The different strucyure (design) of adaptor 57105662 / 57105663 & 57105664 / 57105665 can snap on the safety helmet from the catalogue or others, to connect with ear muff, faceshield as a combination helmet protector.



< ITEM NO. 57105664/57105665

▲ ITEM NO. 57105662/57105663

FM RADIO EAR MUFFS

- > ITEM NO. 57105728,
meets ANSI S12.6/ S3.19, NRR Value = 28 dB.
- > ITEM NO. 57105729,
CE EN 352-1 approval, SNR Value = 25 dB.
- Efficient hearing protection and high quality FM radio reception.
- Separate volume and tuning controls.
- Frequency range 88MHz - 108MHz
- Lightweight and portable combined with excellent noise reduction.
- Very comfortable and user friendly.
- Ideal for production line personnel and people who work outdoors.
- The 1.5V x 2 AA batteries are easily replaced by opening the compartment on the ear cup.



LEVEL DEPENDENT EAR MUFFS

- > ITEM NO. 57105730,
meets ANSI S12.6/ S3.19, NRR Value = 31 dB.
- > ITEM NO. 57105731,
CE EN 352-1 approval, SNR Value = 27 dB.
- Multi-Purpose: Reduces harmful ambient & impulse noise but amplifies normal sounds.
- Serves as a standard hearing protector when not activated.
- All noise levels encountered that exceed 80dB are attenuated to ensure safe use in noisy environment.
- Ideal where impulse or high noise levels are encountered but speech communication is important.
- The 1.5V x 2 AA batteries are easily replaced by opening the compartment on the ear cup.





SAFETY ACCESSORIES – ADDITIONAL PROTECTOR

SAFETY GLOVES

➤ ITEM NO. 57105732, Cotton gloves

- Suitable for timber handling glove and workers in the construction industry.
- 65% cotton, 35% nylon.



SAFETY GLOVES

➤ ITEM NO. 57105733, Cotton / Yarn gloves W/ PU coating

- Used for industrial deliverer, canning or meat processing and deck operation.
- 65% cotton, nylon, 35% rubber .
- Durable and slip resistant.



SAFETY GLOVES

➤ ITEM NO. 57105734, Cotton/ Yarn gloves W/ PU coating

- Used for industrial deliverer, canning or meat processing and deck operation.
- 65% cotton, nylon, 35% rubber .
- Durable and slip resistant.



SAFETY GLOVES

➤ ITEM NO. 57105735, Leather gloves

- Architecture, agriculture, metal industrial, piping.
- Cow leather with cotton backing.
- With safety wristband, durable for heat.



SAFETY GLOVES

➤ ITEM NO. 57105736, Leather welding gloves

- Used in welding.
- Cow leather.
- Durable for hot objectives, low-combustibility.



G “INDUSTRIAL SUPPLIES



LIGHT DUTY SHOCK ABSORBERS (100–500 KGS)



< ITEM NO.57104034
~57104036 (inch)



< ITEM NO.57104030
~57104033 (mm)

UNIT:mm

ITEM NO.	BASE SIZE		SCREW SIZE		LOAD (kgs)
	ØD	H1	Ød	L	
57104030	40	15	8	35	100
57104031	50	18	12	75	200
57104032	60	25	16	100	300
57104033	90	40	20	100	500
57104034	50	18	1/2-12W	75	200
57104035	60	25	5/8-11W	100	300
57104036	90	40	3/4-10W	100	500



SIMPLE ADJ. SHOCK ABSORBERS (200–2500 KGS)



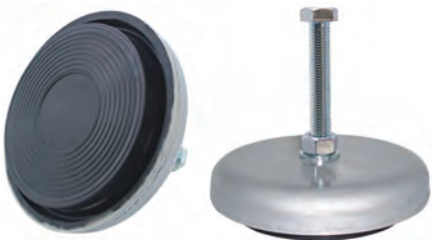
UNIT:mm

ITEM NO.	ØD1	ØD2	H	SCREW Ød×ℓ	LOAD (kgs)
57104037	75	65	40	16 × 75	200
57104038	100	90	40	16 × 75	350
57104039	150	135	55	20 × 120	1000
57104040	205	180	55	20 × 120	2500



DELUXE SHOCK ABSORBERS (300–4000 KGS)

APPLICATION:
• NC/CNC MACHINE



UNIT:mm

ITEM NO.	57104075	57104076	57104077	57104078	57104079
ØD1	90	120	160	200	250
ØD2	60	90	130	170	220
H	28	35	38	45	50
Ød × ℓ	12 × 100	12 × 100	16 × 110	20 × 130	24 × 180
ADJ. HEIGHT	5~6	6~8	7~10	8~12	8~12
LOAD (kgs)	300	600	1000	2000	4000



STANDARD SHOCK ABSORBERS (500–4000 KGS)



APPLICATION:

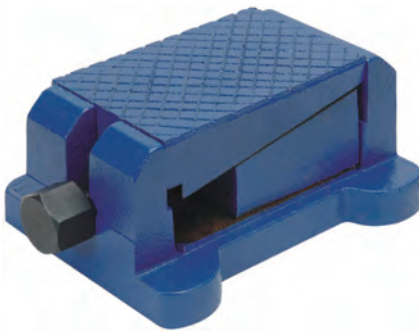
- CNC lathe; milling machine.
- Cutting machine; grinding machine.
- Plastic injection machine.

UNIT:mm

ITEM NO.	ØD1	ØD2	H	SCREW Ød×ℓ	ADJ. HEIGHT	LOAD (kgs)
57104041	100	90	55	12 × 50	5	500
57104042	150	135	90	16 × 110	17	1000
57104043	200	180	95	20 × 120	25	2500
57104044	250	230	100	24 × 170	25	4000



HEAVY DUTY SHOCK ABSORBERS (700–4500 KGS)



APPLICATION:

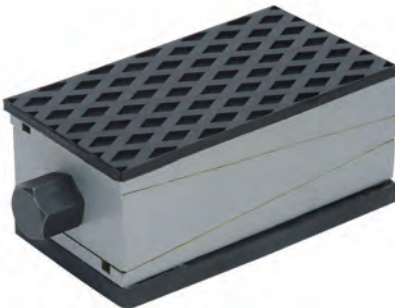
- CNC lathe
- Grinding machine
- Milling machine
- Cutting machine
- 500 tons up plastic injection machine.

UNIT:mm

ITEM NO.	L	W	H	W1	L1	H1	ADJ. HEIGHT	LOAD (kgs)
57104045	152	102	65	55	97	61	4	700
57104046	205	145	83	95	125	75	5	1500
57104047	240	170	102	105	162	101	6	4500



HEAVY DUTY SHOCK ABSORBERS (500–8000 KGS)

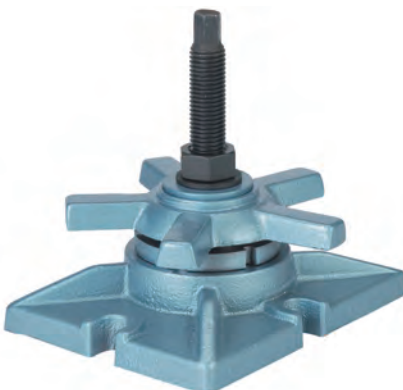


UNIT:mm

ITEM NO.	L	W	H	L1	ADJ. HEIGHT	LOAD (kgs)
57104068	156	52	62	137	5	500
57104069	175	79	68	153	5	2000
57104070	200	105	69	176	5	3000
57104071	225	150	74	200	5	6000
57104072	225	200	84	202	5	8000



HEAVY DUTY SHOCK ABSORBERS (5000–9000 KGS)



- MATERIAL: FCD45 (DUCTILE IRON)

UNIT:mm

ITEM NO.	L	W	H	SCREW Ød×ℓ	ADJ. HEIGHT	LOAD (kgs)
57104073	185	147	60	20 × 120	16	5000
57104074	235	200	68	24 × 180	18	9000

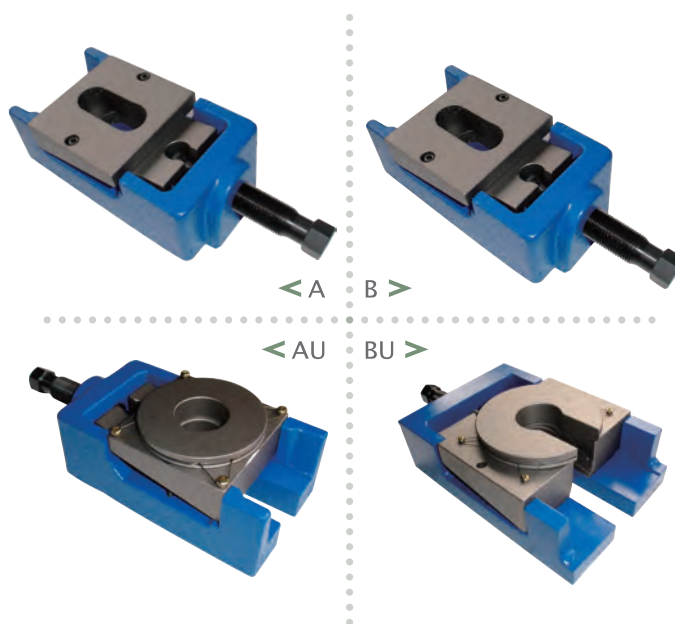


G “ INDUSTRIAL SUPPLIES



HEAVY DUTY SHOCK ABSORBERS (3000-200 00 KGS)

ITEM NO.	MODEL	CAPACITY (tons)
57104048	A-3	3
57104049	A-5	5
57104050	A-10	10
57104051	A-15	15
57104052	A-20	20
57104053	B-3	3
57104054	B-5	5
57104055	B-10	10
57104056	B-15	15
57104057	B-20	20
57104058	AU-3	3
57104059	AU-5	5
57104060	AU10	10
57104061	AU-15	15
57104062	AU-20	20
57104063	BU-3	3
57104064	BU-5	5
57104065	BU10	10
57104066	BU-15	15
57104067	BU-20	20



HEAVY LOAD CASTERS WITH ADJUSTER (200KGS↓)



▲ ITEM NO. 57104080

- Load: 200 kgs↓
- Adj. height: 17 mm

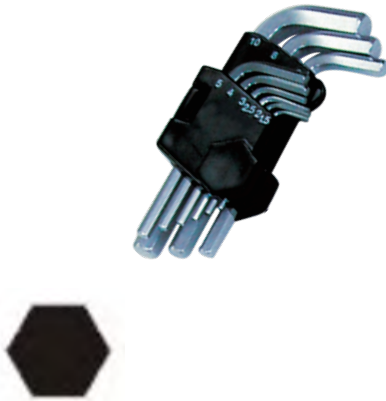


▲ ITEM NO. 57104081

- Load: 200 kgs↓
- Adj. height: 17 mm



S₂ HEX KEY SERIES WRENCH SETS



HEX KEYS

< 7PCS HEX KEY WRENCH SET

ITEM NO.	SIZE
57104082	1.5-2-2.5-3-4-5-6 mm
57104083	1/16-5/64-3/32-1/8-5/32-3/16-7/32 inch

< 9PCS HEX KEY WRENCH SET

ITEM NO.	SIZE
57104084	1.5-2-2.5-3-4-5-6-8-10 mm
57104085	1/16-5/64-3/32-1/8-5/32-3/16-7/32-5/16-3/8 inch

LONG HEX KEYS



< 7PCS LONG HEX KEY WRENCH SET

ITEM NO.	SIZE
57104086	1.5-2-2.5-3-4-5-6 mm
57104087	1/16-5/64-3/32-1/8-5/32-3/16-7/32 inch

< 7PCS LONG HEX KEY WRENCH SET

ITEM NO.	SIZE
57104088	2.5-3-4-5-6-8-10 mm
57104089	1/8-5/32-3/16-7/32-1/4-5/16-3/8 inch

< 9PCS LONG HEX KEY WRENCH SET

ITEM NO.	SIZE
57104090	1.5-2-2.5-3-4-5-6-8-10 mm
57104091	1/16-5/64-3/32-1/8-5/32-3/16-7/32-5/16-3/8 inch



EXTRA LONG HEX KEY

< 9PCS EXTRA LONG HEX KEY WRENCH SET

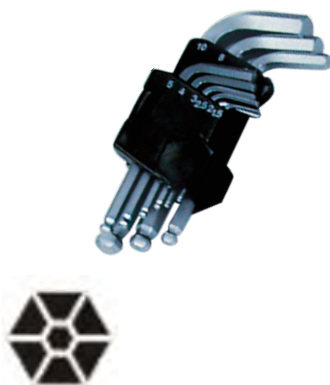
ITEM NO.	SIZE
57104092	1.5-2-2.5-3-4-5-6-8-10 mm
57104093	1/16-5/64-3/32-1/8-5/32-3/16-7/32-5/16-3/8 inch



G “ INDUSTRIAL SUPPLIES



S₂ HEX KEY SERIES WRENCH SETS



BALL POINT HEX KEYS

< 7PC BALL POINT HEX KEY WRENCH SET

ITEM NO.	SIZE
57104094	1.5-2-2.5-3-4-5-6 mm
57104095	1/16-5/64-3/32-1/8-5/32-3/16-7/32 inch

< 9PC BALL POINT HEX KEY WRENCH SET

ITEM NO.	SIZE
57104096	1.5-2-2.5-3-4-5-6-8-10 mm
57104097	1/16-5/64-3/32-1/8-5/32-3/16-7/32-5/16-3/8 inch

LONG BALL POINT HEX KEYS

< 7PCS LONG BALL POINT HEX KEY WRENCH SET

ITEM NO.	SIZE
57104098	1.5-2-2.5-3-4-5-6 mm
57104099	1/16-5/64-3/32-1/8-5/32-3/16-7/32 inch

< 7PCS LONG BALL POINT HEX KEY WRENCH SET

ITEM NO.	SIZE
57104100	2.5-3-4-5-6-8-10 mm
57104101	1/8-5/32-3/16-7/32-1/4-5/16-3/8 inch

< 9PCS LONG BALL POINT HEX KEY WRENCH SET

ITEM NO.	SIZE
57104102	1.5-2-2.5-3-4-5-6-8-10 mm
57104103	1/16-5/64-3/32-1/8-5/32-3/16-7/32-5/16-3/8 inch



EXTRA LONG BALL POINT HEX KEY

< 9PCS EXTRA LONG BALL POINT HEX KEY WRENCH SET

ITEM NO.	SIZE
57104104	1.5-2-2.5-3-4-5-6-8-10 mm
57104105	1/16-5/64-3/32-1/8-5/32-3/16-7/32-5/16-3/8 inch



S₂ HEX KEY SERIES WRENCH SETS



STAR KEYS

< 8PCS STAR KEY WRENCH SETS

ITEM NO.	SIZE
57104106	T5-T6-T7-T8-T9-T10-T15-T20

< 7PCS STAR KEY WRENCH SET

ITEM NO.	SIZE
57104107	T10-T15-T20-T25-T27-T30-T40

< 9PCS STAR KEY WRENCH SET

ITEM NO.	SIZE
57104108	T10-T15-T20-T25-T27-T30-T40-T45-T50



LONG STAR KEYS

< 8PCS LONG STAR KEY WRENCH SET

ITEM NO.	SIZE
57104109	T5-T6-T7-T8-T9-T10-T15-T20

< 7PCS LONG STAR KEY WRENCH SET

ITEM NO.	SIZE
57104110	T10-T15-T20-T25-T27-T30-T40

< 9PCS LONG STAR KEY WRENCH SET

ITEM NO.	SIZE
57104111	T10-T15-T20-T25-T27-T30-T40-T45-T50



EXTRA LONG STAR KEY

< 9PCS EXTRA LONG STAR KEY WRENCH SET

ITEM NO.	SIZE
57104112	T10-T15-T20-T25-T27-T30-T40-T45-T50



G “ INDUSTRIAL SUPPLIES



S2 TAMPER STAR KEY SERIES WRENCH SETS



TAMPER STAR KEYS

< 8PCS TAMPER STAR KEY WRENCH SET

ITEM NO.	SIZE
57104113	T5-T6-T7-T8-T9-T10-T15-T20

< 7PCS TAMPER STAR KEY WRENCH SET

ITEM NO.	SIZE
57104114	T10-T15-T20-T25-T27-T30-T40

< 9PCS TAMPER STAR KEY WRENCH SET

ITEM NO.	SIZE
57104115	T10-T15-T20-T25-T27-T30-T40-T45-T50



LONG TAMPER STAR KEYS

< 8PCS LONG TAMPER STAR KEY WRENCH SET

ITEM NO.	SIZE
57104116	T5-T6-T7-T8-T9-T10-T15-T20

< 7PCS LONG TAMPER STAR KEY WRENCH SET

ITEM NO.	SIZE
57104117	T10-T15-T20-T25-T27-T30-T40

< 9PCS LONG TAMPER STAR KEY WRENCH SET

ITEM NO.	SIZE
57104118	T10-T15-T20-T25-T27-T30-T40-T45-T50



EXTRA LONG TAMPER STAR KEY

< 9PCS EXTRA LONG TAMPER STAR KEY WRENCH SET

ITEM NO.	SIZE
57104119	T10-T15-T20-T25-T27-T30-T40-T45-T50



9PCS MICRO-PAINTING (POWDER COATING) WRENCH SETS



▲ ITEM NO. 57105752



▲ ITEM NO. 57105753



▲ ITEM NO. 57105754



▲ ITEM NO. 57105755



1.5
2
2.5
3
4
5
6
8
10
mm



T10
T15
T20
T25
T27
T30
T40
T45
T50

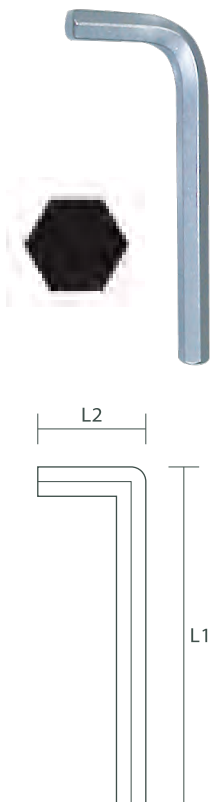


G “ INDUSTRIAL SUPPLIES



S₂ HEX KEY SERIES WRENCHES

< HEX KEY WRENCHES



ITEM NO.	SIZE (mm)	L1 (mm)	L2 (mm)	g
57104120	1.3	40	12	0.6
57104121	1.5	45	14	0.9
57104122	2.0	50	16	1.8
57104123	2.5	56	18	3.0
57104124	3.0	63	20	5.0
57104125	3.5	66	22	7.0
57104126	4.0	70	25	10.0
57104127	4.5	75	26	14.0
57104128	5.0	80	28	18.0
57104129	5.5	85	30	24.0
57104130	6.0	90	32	30.0
57104131	7.0	95	34	43.0
57104132	8.0	100	36	60.0
57104133	9.0	105	38	81.0
57104134	10.0	112	40	105.0
57104135	12.0	125	45	170.0
57104136	14.0	140	56	265.0
57104137	17.0	160	63	442.0
57104138	19.0	180	70	631.0
57104139	22.0	200	80	920.0

ITEM NO.	SIZE (mm)	L1 (mm)	L2 (mm)	g
57104140	0.05	40	12	0.6
57104141	1/16	45	14	0.9
57104142	5/64	50	16	1.8
57104143	3/32	56	18	3.0
57104144	7/64	60	19	4.0
57104145	1/8	63	20	5.0
57104146	9/64	66	22	7.0
57104147	5/32	70	25	10.0
57104148	3/16	80	28	18.0
57104149	7/32	85	30	24.0
57104150	1/4	90	32	30.0
57104151	5/16	100	36	60.0
57104152	3/8	112	40	105.0
57104153	1/2	125	45	170.0
57104154	9/16	140	56	265.0
57104155	5/8	160	63	442.0
57104156	3/4	180	70	631.0
57104157	7/8	200	80	920.0

< LONG HEX KEY WRENCHES



ITEM NO.	SIZE (mm)	L1 (mm)	L2 (mm)	g
57104158	1.3	62.2	12	0.9
57104159	1.5	62	14	1.4
57104160	2.0	75	16	2.0
57104161	2.5	85	18	4.0
57104162	3.0	90	20	7.0
57104163	3.5	95	22	10.0
57104164	4.0	100	25	14.0
57104165	4.5	110	26	19.0
57104166	5.0	115	28	25.0
57104167	5.5	125	30	32.0
57104168	6.0	135	32	41.0
57104169	7.0	140	34	61.0
57104170	8.0	150	36	84.0



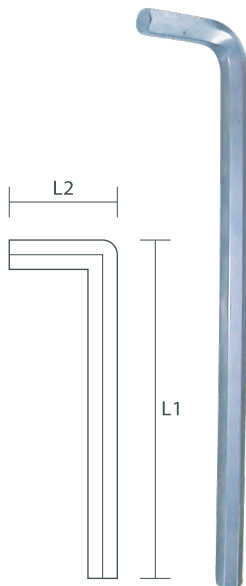
S₂ HEX KEY SERIES WRENCHES



ITEM NO.	SIZE (mm)	L1 (mm)	L2 (mm)	g
57104171	9.0	160	38	114.0
57104172	10.0	170	40	145.0
57104173	12.0	190	45	251.0
57104174	14.0	215	54	385.0
57104175	17.0	245	61	623.0
57104176	19.0	270	70	876.0

ITEM NO.	SIZE (mm)	L1 (mm)	L2 (mm)	g
57104177	1/16	62	14	1.4
57104178	5/64	75	16	2.0
57104179	3/32	85	18	4.0
57104180	7/64	88	19	6.0
57104181	1/8	90	20	7.0
57104182	9/64	95	22	10.0
57104183	5/32	100	24	14.0
57104184	3/16	115	28	19.0
57104185	7/32	125	30	25.0
57104186	1/4	135	32	41.0
57104187	5/16	150	36	84.0
57104188	3/8	170	40	145.0
57104189	1/2	190	45	251.0
57104190	9/16	215	56	385.0
57104191	5/8	245	63	623.0
57104192	3/4	270	70	876.0

< EXTRA LONG HEX KEY WRENCHES



ITEM NO.	SIZE (mm)	L1 (mm)	L2 (mm)	g
57104193	1.5	90	14	1.5
57104194	2.0	100	16	3.0
57104195	2.5	112	18	5.0
57104196	3.0	126	20	8.0
57104197	4.0	140	25	18.0
57104198	5.0	160	28	31.0
57104199	5.5	170	30	41.0
57104200	6.0	180	32	51.0
57104201	7.0	190	34	76.0
57104202	8.0	200	36	104.0
57104203	10.0	224	40	182.0
57104204	12.0	250	45	293.0
57104205	14.0	280	56	457.0
57104206	17.0	320	63	753.0
57104207	19.0	360	70	1073.0

ITEM NO.	SIZE (mm)	L1 (mm)	L2 (mm)	g
57104208	1/16	90	14	1.5
57104209	5/64	100	16	3.0
57104210	3/32	112	18	5.0
57104211	1/8	126	20	8.0
57104212	5/32	140	25	18.0
57104213	3/16	160	28	31.0
57104214	7/32	170	30	41.0
57104215	1/4	180	32	51.0
57104216	5/16	200	36	104.0
57104217	3/8	224	40	182.0
57104218	1/2	250	45	293.0
57104219	9/16	280	56	457.0
57104220	5/8	320	63	753.0
57104221	3/4	360	70	1073.0



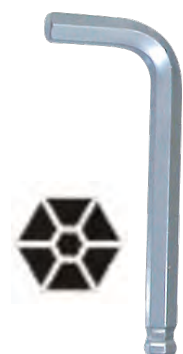
G30 - KEY WRENCHES & SCREWDRIVERS

INDUSTRIAL SUPPLIES

G “ INDUSTRIAL SUPPLIES



S₂ BALL POINT HEX KEY SERIES WRENCHES



< BALL POINT HEX KEY WRENCHES

ITEM NO.	SIZE (mm)	L1 (mm)	L2 (mm)	g
57104222	1.5	45	14	0.9
57104223	2.0	50	16	1.8
57104224	2.5	56	18	3.0
57104225	3.0	63	20	5.0
57104226	4.0	70	25	10.0
57104227	5.0	80	28	18.0
57104228	6.0	90	32	30.0
57104229	8.0	100	36	60.0
57104230	10.0	112	40	105.0
57104231	12.0	125	45	170.0
57104232	14.0	140	56	265.0
57104233	17.0	160	63	442.0
57104234	19.0	180	70	631.0



ITEM NO.	SIZE (inch)	L1 (mm)	L2 (mm)	g
57104235	1/16	45	14	0.9
57104236	5/64	50	16	1.8
57104237	3/32	56	18	3.0
57104238	1/8	63	20	5.0
57104239	5/32	70	25	10.0
57104240	3/16	80	28	18.0
57104241	1/4	90	32	30.0
57104242	5/16	100	36	60.0
57104243	3/8	112	40	105.0
57104244	1/2	125	45	170.0
57104245	9/16	140	56	265.0
57104625	5/8	160	63	142.0
57104246	3/4	180	70	631.0

< LONG BALL POINT HEX KEY WRENCHES



ITEM NO.	SIZE (mm)	L1 (mm)	L2 (mm)	g
57104247	1.3	62.2	12	0.9
57104248	1.5	62	14	1.4
57104249	2.0	75	16	2.0
57104250	2.5	85	18	4.0
57104626	3.0	90	20	7.0
57104251	3.5	95	22	10.0
57104252	4.0	100	25	14.0
57104253	4.5	110	26	19.0
57104254	5.0	115	28	25.0
57104255	5.5	125	30	32.0
57104256	6.0	135	32	41.0
57104257	7.0	140	34	61.0
57104258	8.0	150	36	84.0
57104259	10.0	170	40	145.0
57104260	12.0	190	45	251.0
57104261	14.0	215	54	385.0
57104262	17.0	245	61	623.0
57104263	19.0	270	70	876.0



S₂ BALL POINT HEX KEY SERIES WRENCHES



ITEM NO.	SIZE (inch)	L1 (mm)	L2 (mm)	g
57104264	1/16	62	14	1.4
57104265	5/64	76	16	2.0
57104266	3/32	85	18	4.0
57104267	7/64	88	19	6.0
57104268	1/8	90	20	7.0
57104269	9/64	95	22	10.0
57104270	5/32	100	25	14.0
57104271	3/16	115	28	19.0
57104272	7/32	125	30	25.0
57104273	1/4	135	32	41.0
57104274	5/16	150	36	84.0
57104275	3/8	170	40	145.0
57104276	1/2	190	45	251.0
57104277	9/16	215	56	385.0
57104278	5/8	245	61	623.0
57104279	3/4	270	70	876.0



< EXTRA LONG BALL POINT HEX KEY WRENCHES

ITEM NO.	SIZE (mm)	L1 (mm)	L2 (mm)	g
57104280	1.5	90	14	1.5
57104281	2.0	100	16	3.0
57104282	2.5	112	18	5.0
57104283	3.0	126	20	8.0
57104284	4.0	140	25	18.0
57104285	5.0	160	28	31.0
57104286	5.5	170	30	41.0
57104287	6.0	180	32	51.0
57104288	7.0	190	34	76.0
57104289	8.0	200	36	104.0
57104290	10.0	224	40	182.0
57104291	12.0	250	45	293.0
57104292	14.0	280	56	457.0
57104293	17.0	320	63	770.0
57104294	19.0	360	70	1079.0



ITEM NO.	SIZE (inch)	L1 (mm)	L2 (mm)	g
57104295	1/16	90	14	1.5
57104296	5/64	100	16	3.0
57104297	3/32	112	18	5.0
57104298	1/8	126	20	8.0
57104299	5/32	140	25	18.0
57104300	3/16	160	28	31.0
57104301	7/32	170	30	41.0
57104302	1/4	180	32	51.0
57104303	5/16	200	36	104.0
57104304	3/8	224	40	182.0
57104305	1/2	250	45	293.0
57104306	9/16	280	56	457.0
57104307	5/8	320	63	753.0
57104308	3/4	360	70	1073.0



G “ INDUSTRIAL SUPPLIES



S₂ STAR KEY SERIES WRENCHES

< STAR KEY WRENCHES

ITEM NO.	SIZE	L1 (mm)	L2 (mm)	g
57104309	T05	42	16	2.0
57104310	T06	42	16	2.1
57104311	T07	48	16	2.3
57104312	T08	48	16	2.3
57104313	T09	48	16	3.5
57104314	T10	51	17	3.5
57104315	T15	54	18	5.0
57104316	T20	57	19	7.5
57104317	T25	60	20	9.5
57104318	T27	64	21	15.0
57104319	T30	70	24	20.0
57104320	T40	76	26	32.0
57104321	T45	82	28	44.0
57104322	T50	95	32	63.0
57104323	T55	108	35	125.0
57104324	T60	120	38	188.0
57104325	T70	133	41	280.0
57104326	T80	146	44	430.0
57104327	T90	158	49	560.0
57104328	T100	184	54	720.0

< LONG STAR KEY WRENCHES

ITEM NO.	SIZE	L1 (mm)	L2 (mm)	g
57104329	T06	66	16	2.8
57104330	T07	71	16	3.1
57104331	T08	76	16	4.9
57104332	T09	80	16	5.2
57104333	T10	86	17	6.0
57104334	T15	90	18	9.1
57104335	T20	95	19	12.2
57104336	T25	100	20	16.0
57104337	T27	105	21	24.0
57104338	T30	114	24	31.0
57104339	T40	124	26	46.0
57104340	T45	133	29	64.0
57104341	T50	152	32	91.0
57104342	T55	171	35	184.0
57104343	T60	190	38	275.0
57104344	T70	209	41	408.0

< EXTRA LONG STAR KEY WRENCHES

ITEM NO.	SIZE	L1 (mm)	L2 (mm)	g
57104345	T09	85	13	5.0
57104346	T10	90	14	6.0
57104347	T15	100	16	9.0
57104348	T20	112	18	13.1
57104349	T25	126	20	18.7
57104350	T27	140	25	26.0
57104351	T30	160	28	42.6
57104352	T40	180	32	65.5
57104353	T45	200	36	95.0
57104354	T50	224	40	134.5





S₂ TAMPER STAR KEY SERIES WRENCHES



< TAMPER STAR KEY WRENCHES

ITEM NO.	SIZE	L1 (mm)	L2 (mm)	g
57104355	T05	42	16	2.0
57104356	T06	42	16	2.1
57104357	T07	48	16	2.3
57104358	T08	48	16	2.3
57104359	T09	48	16	3.5
57104360	T10	51	17	3.5
57104361	T15	54	18	5.0
57104362	T20	57	19	7.5
57104363	T25	60	20	9.5
57104364	T27	64	21	15.0
57104365	T30	70	24	20.0
57104366	T40	76	26	32.0
57104367	T45	82	28	44.0
57104368	T50	95	32	63.0
57104369	T55	108	35	125.0
57104370	T60	120	38	188.0
57104371	T70	133	41	280.0
57104372	T80	146	44	430.0
57104373	T90	158	49	560.0
57104374	T100	184	54	720.0

< LONG TAMPER STAR KEY WRENCHES

ITEM NO.	SIZE	L1 (mm)	L2 (mm)	g
57104375	T06	66	16	2.8
57104376	T07	71	16	3.1
57104377	T08	76	16	4.9
57104378	T09	80	16	5.2
57104379	T10	86	17	6.0
57104380	T15	90	18	9.1
57104381	T20	95	19	12.2
57104382	T25	100	20	16.0
57104383	T27	105	21	24.0
57104384	T30	114	24	31.0
57104385	T40	124	26	46.0
57104386	T45	133	29	64.0
57104387	T50	152	32	91.0
57104388	T55	171	35	184.0
57104389	T60	190	38	275.0
57104534	T70	209	41	408.0

< EXTRA LONG TAMPER STAR KEY WRENCHES

ITEM NO.	SIZE	L1 (mm)	L2 (mm)	g
57104390	T09	85	13	5.0
57104391	T10	90	14	6.0
57104392	T15	100	16	9.0
57104393	T20	112	18	13.1
57104394	T25	126	20	18.7
57104395	T27	140	25	26.0
57104396	T30	160	28	42.6
57104397	T40	180	32	65.5
57104398	T45	200	36	95.0
57104399	T50	224	40	134.5



G “ INDUSTRIAL SUPPLIES



S₂ FOLDING SERIES WRENCH SETS

NEW FOLDING HEX KEYS

< 7PCS NEW FOLDING HEX KEY WRENCH SETS



ITEM NO.	SIZE
57104400	1.5-2-2.5-3-4-5-6 mm
57104401	1/16-5/64-3/32-1/8-5/32-3/16-7/32 inch

< 7PCS NEW FOLDING HEX KEY WRENCH SETS

ITEM NO.	SIZE
57104402	2.5-3-4-5-6-8-10 mm
57104403	3/32-1/8-5/32-3/16-7/32-5/16-3/8 inch

NEW FOLDING BALL POINT HEX KEYS

< 7PCS NEW FOLDING POINT HEX KEY WRENCH SETS



ITEM NO.	SIZE
57104404	1.5-2-2.5-3-4-5-6 mm
57104405	1/16-5/64-3/32-1/8-5/32-3/16-7/32 inch

< 7PCS NEW FOLDING BALL POINT HEX KEY WRENCH SETS

ITEM NO.	SIZE
57104406	2.5-3-4-5-6-8-10 mm
57104407	3/32-1/8-5/32-3/16-7/32-5/16-3/8 inch

NEW FOLDING STAR KEYS

< 7PCS NEW FOLDING STAR KEY WRENCH SET



ITEM NO.	SIZE
57104408	T5-T6-T7-T8-T9-T10-T15

< 7PCS NEW FOLDING STAR KEY WRENCH SET

ITEM NO.	SIZE
57104409	T10-T15-T20-T25-T27-T30-T40

NEW FOLDING TAMPER STAR KEYS

< 7PCS NEW FOLDING TAMPER STARY KEY WRENCH SET



ITEM NO.	SIZE
57104410	T5-T6-T7-T8-T9-T10-T15

< 7PCS NEW FOLDING TAMPER STAR KEY WRENCH SET

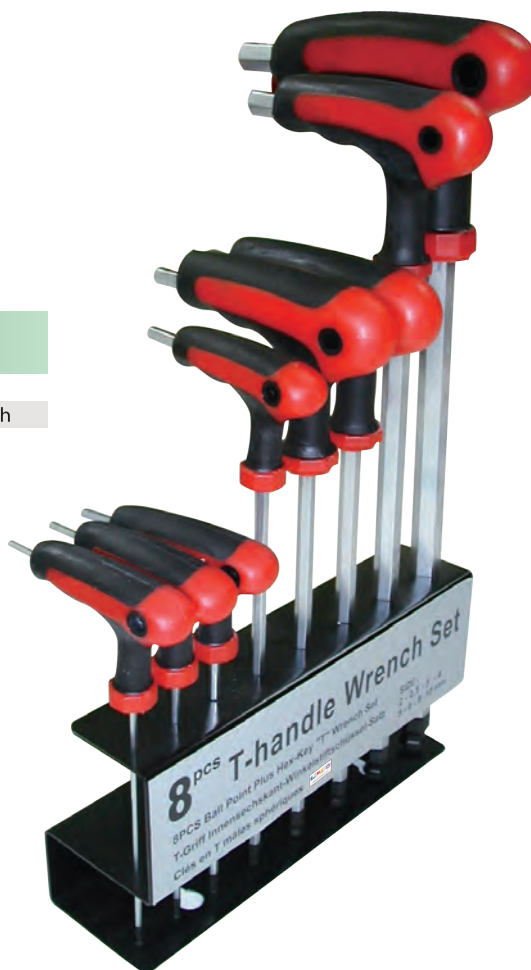
ITEM NO.	SIZE
57104411	T10-T15-T20-T25-T27-T30-T40



S₂ T-10 HANDLE SERIES WRENCH SETS

> 8PCS BALL POINT & HEX KEY WRENCH SETS

ITEM NO.	SIZE
57104412	2-2.5-3-4-5-6-8-10 mm
57104413	5/64-3/32-1/8-5/32-3/16-1/4-5/16-3/8 inch



> 9PCS TAMPER STAR & STAR KEY WRENCH SET

ITEM NO.	SIZE
57104414	T10-T15-T20-T25-T27-T30-T40-T45-T50



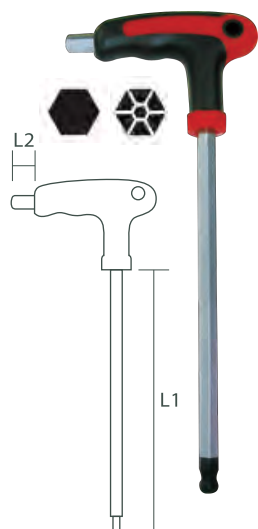
G30 - KEY WRENCHES & SCREWDRIVERS

INDUSTRIAL SUPPLIES

G “ INDUSTRIAL SUPPLIES



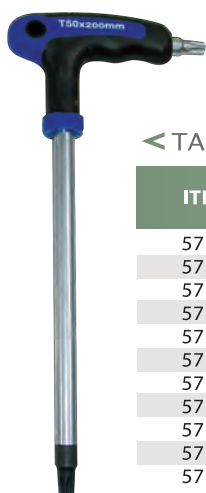
S₂ T-10 HANDLE SERIES WRENCHES



< BALL POINT & HEX KEY WRENCHES

ITEM NO.	SIZE (mm)	L1 (mm)	L2 (mm)	g
57104415	2	100	12	14
57104416	2.5	100	12	17
57104417	3	100	12	20
57104418	4	150	14	34
57104419	5	150	14	67
57104420	6	150	14	85
57104421	8	200	16	153
57104422	10	200	16	271

ITEM NO.	SIZE (inch)	L1 (mm)	L2 (mm)	g
57104423	5/64	100	12	14
57104424	3/32	100	12	17
57104425	1/8	100	12	20
57104426	5/32	150	14	34
57104427	3/16	150	14	67
57104428	1/4	150	14	85
57104429	5/16	200	16	153
57104430	3/8	200	16	271

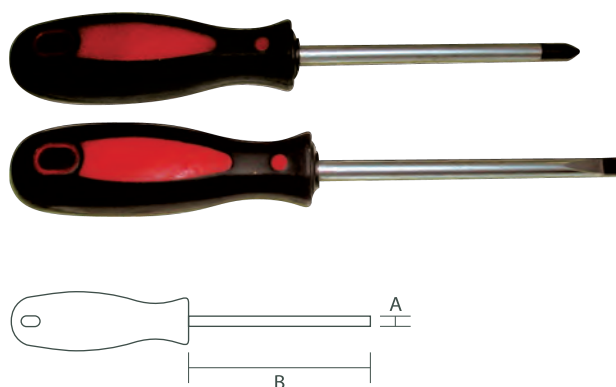


< TAMPER STAR & STAR KEY WRENCHES

ITEM NO.	SIZE	L1 (mm)	L2 (mm)	g
57104431	T9	100	12	26
57104432	T10	100	12	26
57104433	T15	100	12	26
57104434	T20	100	12	26
57104435	T25	150	14	79
57104436	T27	150	14	79
57104437	T30	150	14	79
57104438	T40	200	16	139
57104439	T45	200	16	139
57104440	T50	200	16	328
57104441	T55	200	16	335



SCREWDRIVER SERIES (PC)

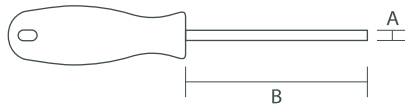


< Material: S₂

TORX:

ITEM NO.	A (mm)	B (mm)
57104442	T5	75
57104443	T6	75
57104444	T7	75
57104445	T8	75
57104446	T9	75
57104447	T10	100
57104448	T15	100
57104449	T20	100
57104450	T25	100
57104451	T27	100
57104452	T30	100
57104453	T40	100
57104454	T45	100

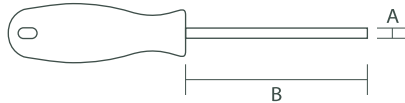
• SCREWDRIVER SERIES (PC)



Material: CR-V



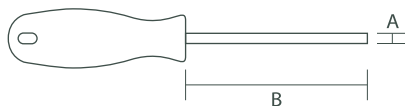
ITEM NO.	A (mm)	B (mm)
57104455	4.0	125
57104456	5.0	125
57104457	5.5	125
57104458	6.0	125
57104459	7.0	125
57104460	8.0	125
57104461	9.0	125
57104462	10.0	125
57104463	11.0	125
57104464	12.0	125
57104465	13.0	125
57104466	14.0	125



Material: S₂



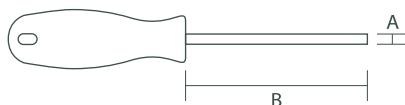
ITEM NO.	A (mm)	B (mm)
57104467	3	75
57104468	3	100
57104469	3	150
57104470	4	75
57104471	4	100
57104472	4	150
57104473	5	75
57104474	5	100
57104475	5	125
57104476	5	150
57104477	5	200
57104478	5	250
57104479	5	300
57104480	5.5	125
57104481	6	38
57104482	6	100
57104483	6	125
57104484	6	150
57104485	6	200
57104486	6	250
57104487	6	300
57104488	6.5	150
57104489	8	150
57104819	10	200



Material: S₂



ITEM NO.	A (mm)	B (mm)
57104490	0	75
57104491	1	75
57104492	1	100
57104493	2	38
57104494	2	100
57104495	2	125
57104496	2	150
57104497	3	150



Material: S₂



ITEM NO.	A (mm)	B (mm)
57104498	0	75
57104499	0	100
57104500	0	150
57104501	1	75
57104502	1	100
57104503	1	150
57104504	1	200
57104505	1	250
57104506	1	300
57104507	2	38
57104508	2	100
57104509	2	125
57104510	2	150
57104511	2	200
57104512	2	250
57104513	2	300
57104514	3	150



G30 - KEY WRENCHES & SCREWDRIVERS

INDUSTRIAL SUPPLIES

G “ INDUSTRIAL SUPPLIES



36 PCS 75 mmL BIT SET

SIZE:

35PCS 75mmL PEELED BITS

- 6-HEX: 2-2.5-3-4-5-6 mm
- 4-SLOT: 3-4-5-6 mm
- 5-PH: 1×2-2×2-3×1
- 5-PZ: 1×2-2×2-3×1
- 7-TX:T10-T15-T20-T25-T27-T30-T40
- 8-TAMPER TX:T8-T10-T15-T20-T25-T27-T30-T40

MATERIAL: CR-V+Chamfer

FINISH: Sanding

SIZE:

1PC-1/4"×60MML BIT HOLDER

MATERIAL: Stainless

PACKED: Blow case(black)+shrink

- CARTON: 24 sets
- N.W./G.W./CUFT:17.5/18/1.1'

> ITEM NO. 57104515



100 PCS BIT SET

SIZE:

60-1/4"×25MML BITS

- 9-SLOT:3-4-4.5-5-5.5-6-6.5-7-8 mm
- 8-PH:0-1-2×5-3
- 8-PZ:0-1-2×5-3
- 9-HEX:1.5-2-2.5-3-4-5-5.5-6-8 mm
- 10-HEX:1/16"-5/64"-3/32"-7/64"-1/8"-9/64"-5/32"-3/16"-7/32"-1/4"
- 9-TX:T8-T10-T15-T20-T25-T27-T30-T40-T45
- 3-SPLINE: M5-M6-M8
- 4-ROBERTSON:0-1-2-3

35-1/4"×25MML SECURITY BITS

- 3-TORQ: 6-8-10
- 4-SPANNER: 4-6-8-10
- 4-TRI WING: 1-2-3-4
- 9-TAMPER TX: T8-T10-T15-T20-T25-T27-T30-T35-T40
- 6-TAMPER HEX: 2-2.5-3-4-5-6
- 6-TAMPER HEX: 5/64"-3/32"-7/64"-1/8"-9/64"-5/32"
- 3-CLUTH BITS: 1-2-3

1-1/4"×1/4"×25MML SOCKET ADAPTOR

MATERIAL: S2+Chamfer

FINISH: Sanding

SIZE:

1-HOOK DRIVER BIT

1-1/4"×50MML SOCKET ADAPTOR

MATERIAL: CR-V

FINISH: Sanding

SIZE:

1-1/4"×60MML BIT HOLDER

MATERIAL: Zinc

SIZE:

1-1/4"×1/4"×25MML BIT ADAPTOR

MATERIAL: CR-V

FINISH: Mirror chrome

PACKED: Blow case(black)+shrink

- CARTON: 24 sets
- N.W./G.W./CUFT: 17.5/18/1.2'

△ ITEM NO. 57104516





142 PCS COMBINATION BIT SET

SIZE:

1-1/4" × 60MML BIT HOLDER

MATERIAL: Stainless

FINISH: Sanding

1-1/4" HOOK DRIVER BIT

1-1/4" × 1/4" × 25MML SOCKET ADAPTOR

1-1/4" × 50MML SOCKET ADAPTOR

20-1/4" × 38MML NUT DRIVER

- 10-4-5-6-7-8-9-10-11-12-13 mm
- 10-5/32-3/16-7/32-1/4-9/32-11/32-5/16-3/8-7/16-1/2 inch

MATERIAL: CR-V

FINISH: SANDING

1-1/4" × 1/4" × 25MML BITS ADAPTOR

MATERIAL: CR-V

FINISH: Mirror chrome

17-1/4" × 50MML BITS:

- 2-SLOT: 4-6.5 mm
- 3-PH: 1-2-3
- 3-PZ: 1-2-3
- 2-HEX: 5-6 mm
- 7-TX: T10-T15-T20-T25-T27-T30-T40

70-1/4" × 25MML BITS:

- 9-STAR: T10-T15-T20-T25-T27-T30-T40-T45-T50
- 12-SLOT: 2-2.5-3-3.5-4-4.5-5-5.5-6-6.5-7-8 mm
- 5-PH: 00-0-1-2-3
- 5-PZ: 00-0-1-2-3
- 9-HEX: 1.5-2-2.5-3-4-5-5.5-6-8mm
- 10-HEX: 1/16"-5/64"-3/32"-7/64"-1/8"-9/64"-5/32"-3/16"-7/32"-1/4"
- 13-TX: T5-T6-T7-T8-T9-T10-T15-T20-T25-T27-T30-T40-T45
- 3-SPLINE: M5-M6-M8
- 4-ROBERTSON: 0-1-2-3

29-1/4" × 25MM SECURITY BITS:

- 3-TORQ: 6-8-10
- 4-SPANER: 4-6-8-10
- 4-TRI WING: 1-2-3-4
- 9-TAMPER TX: T8-T10-T15-T20-T25-T27-T30-T35-T40
- 6-TAMPER HEX: 2-2.5-3-4-5-6
- 3-CLUTH BITS: 1-2-3

MATERIAL: S2+Chamfer

FINISH: Sanding

1-1/4" × 100MML S/D BIT HODLER

MATERIAL: Stainless+CR-V

HANDLE: CW#2/PP(RED#485C)+9TPR(BLACK)

PACKED: Blow case(black)+shrink

- CARTON: 24 sets
- N.W./G.W./CUFT: 17.5/18/1.1'



▲ ITEM NO. 57104517



G30 - KEY WRENCHES & SCREWDRIVERS

INDUSTRIAL SUPPLIES

G “ INDUSTRIAL SUPPLIES

24 PCS GEARLESS SCREWDRIVER & BITS



< ITEM NO. 57104518

CONTENTS

- 1-Gearless Screwdriver
- 1-Adapter
- 22-Bits

PACKING

DOUBLE BLISTER CARD	WEIGHT (kgs)	CUFT
	9.5/11	6/24;1.6'



23 PCS FLEX DRIVER RATCHETING BIT DRIVER SET



< ITEM NO. 57104519

CONTENTS

- 1-Angle Ratchet Screwdriver
- 2-Bit Holder
- 20-Bits

PACKING

DOUBLE BLISTER CARD	WEIGHT (kgs)	CUFT
	4.1/5.5	6/12;0.8'



50 PCS DELUXE RATCHET, BIT & SOCKET SET



< ITEM NO. 57104520

CONTENTS

- 1-Ratchet Screwdriver
- 30-Bits
- 12-Sockets
- 7-Holders

PACKING

DOUBLE BLISTER CARD	WEIGHT (kgs)	CUFT
	14/15	24;1.8'



LIGHTED 9 PCS PRECISION SCREWDRIVER SET



< ITEM NO. 57104521

CONTENTS

- 1-Lighted Handle
- 8-Interchangeable
- 1-Case

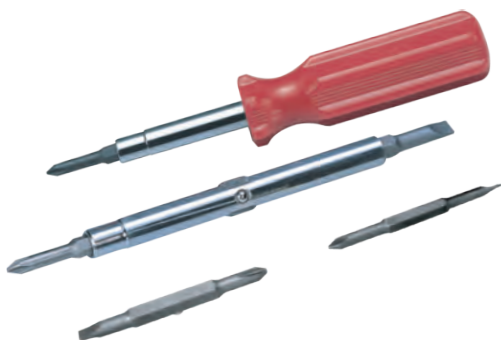
PACKING

DOUBLE BLISTER CARD	WEIGHT (kgs)	CUFT
	6.8/7.3	12/48; 1.9'



6-IN-1 QUICK CHANGE SCREWDRIVER

< ITEM NO. 57104522



CONTENTS

- 1-PP Screwdriver Handle
- 2-75 mm Double End Bits
- 4-1/2" Interchangeable Shaft With 1/4" & 5/16" Nut Driver

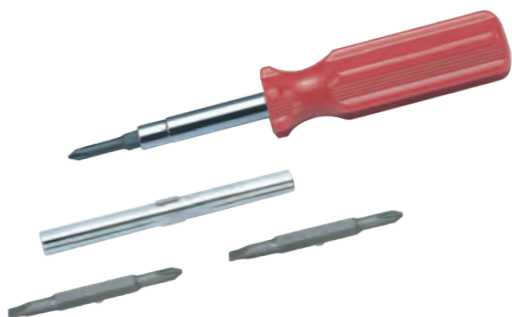
PACKING

DOUBLE BLISTER CARD	WEIGHT (kgs)	CUFT
	9.5/10.5	12/72;0.65'



4-IN-1 QUICK CHANGE SCREWDRIVER

< ITEM NO. 57104523



CONTENTS

- 1-Hand
- 2-75 mm Double End Bits
- 4-1/2" Interchangeable Shaft With 5/16" Nut Driver

PACKING

DOUBLE BLISTER CARD	WEIGHT (kgs)	CUFT
	9.5/10.5	12/72;0.65'



6 PCS PRECISION SCREWDRIVER SET

< ITEM NO. 57104524



CONTENTS

- 6-Precision Screwdrivers
- 1-Case

PACKING

DOUBLE BLISTER CARD	WEIGHT (kgs)	CUFT
	11.2/12.2	20/60;1.83'



G “ INDUSTRIAL SUPPLIES

REVOLVER SCREWDRIVER

- Cylinder type bits holder; bit hidden design.
- Changeable cylinder(bits holder)
- each cylinder contains 5 bits.
- Pull downward the handle; press the button to take out the cylinder.
- Pull downward the handle; then bits can be changed easily by rolling the cylinder.
- Bit sizes printed on the cylinder you can choose desired size easily.

> ITEM NO. 57104525

CONTENTS

- 1-Driver Handle
- 2-Bit Holder
- 10-Bits

PACKING

DOUBLE BLISTER CARD	WEIGHT (kgs)	CUFT
	6.5/7.5	12/24; 1.1'



16-IN-1 3 WAY RATCHET SCREWDRIVER

> ITEM NO. 57104526

CONTENTS

- 1-Ratchet Screwdriver
- 16-Bits

PACKING

DOUBLE BLISTER CARD	WEIGHT (kgs)	CUFT
	8.6/9.6	6/24;1.5'
DISPLAY BOX	WEIGHT (kgs)	CUFT
	6.5/7.5	12/24;0.6'



ANGLE DRIVERS



▲ MAX 135 IN-LBS TORQUE

▲ MAX 400 RPM

- Angle driver is designed for power driving in hard to reach places not easily accessed by conventional screwdrivers.

• ANGLE DRIVERS



ITEM NO. 57104528



ITEM NO. 57104529



ITEM NO. 57104530



ITEM NO. 57104531

ITEM NO. 57104528

CONTENTS

- 1-Angle Driver
- 1-Black Handle
- 6-Bits

PACKING

DOUBLE BLISTER CARD	WEIGHT (kgs)	CUFT
	16.6/17.6	20/80;1.6'

ITEM NO. 57104529

CONTENTS

- 1-Angle Driver

PACKING

DOUBLE BLISTER CARD	WEIGHT (kgs)	CUFT
	16.5/18	10/100;1.5'

ITEM NO. 57104530

CONTENTS

- 1-Angle Driver
- 1-Black Handle
- 10-Bits

PACKING

DOUBLE BLISTER CARD	WEIGHT (kgs)	CUFT
	8.3/9.3	12/36;1'

ITEM NO. 57104531

CONTENTS

- 1-Angle Driver
- 1-Driver Handle
- 1-Bit Holder
- 10-Bits

PACKING

DOUBLE BLISTER CARD	WEIGHT (kgs)	CUFT
	12.5/13.5	36;0.8'



8-IN-1 TORCH SCREWDRIVER (LED)



ITEM NO. 57104532



AUTO LOADING UTILITY KNIFE (24 BLADES)



ITEM NO. 57104533



G30 - KEY WRENCHES & SCREWDRIVERS

INDUSTRIAL SUPPLIES

G “INDUSTRIAL SUPPLIES

SURFACE FORMING FILE

TWO-WAY TOOL



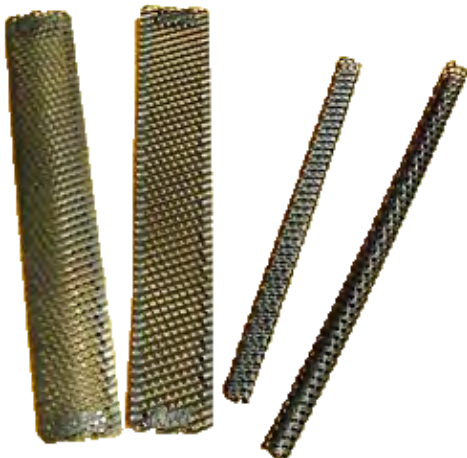
ITEM NO.	TYPE	LENGTH (inch)	WITH
57105326	Flat, Half Round File Blade	10"	57105328~9

ROUND FILE TYPE



ITEM NO.	TYPE	LENGTH (inch)	WITH
57105327	Round, Square File Blade	10"	57105330~1

FILE BLADE - 10"



ITEM NO.	TYPE	LENGTH (inch)
57105328	Flat	10"
57105329	Half round	10"
57105330	Round	10"
57105331	Square	10"



FAST END MILL RE-SHARPENERS



G31 - RE-SHARPENERS & GRINDING MACHINES



◀ ITEM NO. 57104723
MODEL: BMT 1225GH



▲ ITEM NO. 57104722
MODEL: BMT 413GH

INDUSTRIAL SUPPLIES

UNIT: mm

ITEM NO.	MODEL	CAPACITY	MOTOR / SPEED	WEIGHT	L×W×H
57104722	BMT 413GH	ø4 - ø13	450W / 6000RPM	17 kgs	310×260×290
57104723	BMT 1225GH	ø12 - ø25	1000W / 4500RPM	30 kgs	360×290×340

G “INDUSTRIAL SUPPLIES



< STANDARD ACCESSORIES
※SDC (CARBIDE) CBN (HIGH SPEED)

ITEM NO.		57104722 & 57104723
Cable		1 set
Fuse		2 pcs
Hex. key wrench		1pc 4 mm
Diamond wheel	BMT 413GH BMT 1225GH	SDC300# (4~5, carbide end mill) CBN150# (12~25, High Speed end mill)
Diamond wheel	BMT 413GH BMT 1225GH	SDC300# (6~13, carbide end mill) SDC150# (12~25, carbide end mill)
ER chuck		2, 4 flutes chuck*1 set / 3 flutes chunk*1 set
ER collet		BMT - 413GH 4~13mm (10PCS) / BMT-1225GH 12,16,18,20,22,25 mm

< OPTION ACCESSORIES

MODEL	DIAMOND WHEEL
BMT 413GH	CBN300# (4~5, High Speed end mill)
BMT 413GH	CBN270# (6~13, High Speed end mill)
BMT 413GH	CBN270# (4~13, High Speed end mill) 2 flutes
BMT 413GH	SDC300# (4~13 carbide end mill) 2 flutes
BMT 1225GH	CBN150# (12~25, High Speed end mill) 2 flutes



FAST DRILL RE-SHARPENERS



▲ ITEM NO. 57104724
MODEL: BMT 213DMFG

< STANDARD ACCESSORIES

BMT 213DMFG

- ER Collets, 2.5~13 mm (12 pcs)
- CBN Diamond wheel #200×1 pc (High speed drill)
- 4mm, 5mm Hexagon (Hex.) wrench × 1 pc each

< OPTIONAL ACCESSORIES

BMT 213DMFG

- SDC#400 Diamond wheel (carbide drill)
- CBN#400 Diamond wheel (< 4mm, High speed drill).
- ER Collets, 3.5~12.5 mm (10 pcs).

UNIT: mm

ITEM NO.	MODEL	DRILL DIAMETER	POINT ANGLE	POWER SUPPLY	MOTOR	SPEED	WEIGHT	L×W×H
57104724	BMT213DMFG	ø2~ø13	85°~140°	AC110/AC220 50/60HZ	90W	6000RPM	10 kgs	305×172×180



▲ ITEM NO. 57104726
MODEL: BMT 1226DM



▲ ITEM NO. 57104727
MODEL: BMT 320DM

< STANDARD ACCESSORIES

BMT 1226DM

- ER Collets, 12~26 mm (15 pcs)
- CBN Diamond wheel #150 × 1 pc (High speed drill)
- 4mm, 6mm Hexagon (Hex.) wrench × 1 pc each

< OPTIONAL ACCESSORIES

BMT 1226DM

- SDC#200 Diamond wheel (carbide drill)
- ER Collets, 8~11 mm, 27~30 mm (8 pcs)

UNIT: mm

ITEM NO.	MODEL	DRILL DIAMETER	POINT ANGLE	POWER SUPPLY	MOTOR	SPEED	WEIGHT	L×W×H
57104726	BMT 1226DM	ø12~ø26	85°~140°	AC110/AC220 50/60HZ	450W	4000RPM	25 kgs	470×260×235
57104727	BMT 320DM	ø3~ø20	85°~140°	AC110/AC220 50/60HZ	450W	4300RPM	21 kgs	480×260×240

G “ INDUSTRIAL SUPPLIES



COMPLEX GRINDER MACHINE FOR DRILL & END MILLS



ITEM NO. 57104728

ITEM NO.	APPLIED DRILLS	APPLIED END MILL	WEIGHT	SPEED	VOLTAGE	INDUSTRY
57104728	ø2~ø13 mm	ø3~ø12 mm	15 kgs	6000RPM	AC100/AC110V AC220V/50/60HZ	Machinery 、drilling machine 、CNC machine



PORTABLE TUNGSTEN PROBE GRINDER



ITEM NO. 57104729

ITEM NO.	APPLIED DRILLS	WEIGHT	SPEED	VOLTAGE	INDUSTRY
57104729	ø1~ø7 (STD: 2.4) mm	10 kgs	6000RPM	AC100/AC110V AC220V/50/60HZ	Argon welding machine



PORTABLE TAPS GRINDERS



ITEM NO. 57104730



ITEM NO. 57104731

ITEM NO.	APPLIED DRILLS	WEIGHT	SPEED	VOLTAGE	INDUSTRY
57104730	M5~M16	9 kgs	6000RPM	AC100/AC100V AC220V/50/60HZ	Auto & manual tapping machine 、CNC machine
57104731	M16~M32	20 kgs	6000RPM	AC100/AC100V AC220V/50/60HZ	Auto & manual tapping machine 、CNC machine



PORTABLE DRILL GRINDER (2–20 mm)

SPECIFICATIONS:

- Capacity: 2 ~ 20 mm (0.08 - 0.787") in diameter.
- Bit material available: HSS, Carbide.
- Point Angle: 118° - 140° (Initial setting 118°).
- Lip clearance angle: 5° (Initial setting).
- For twist drill, spotting drill.

➤ ITEM NO. 57104822



POWER SUPPLY:

- (1) Standard: 110 / 220V, 50 / 60 cycles, single phase.
- (2) Others on request:
 - 220 / 380V, 50 cycles 3 phase.
 - 240 / 420V, 50 cycles 3 phase.
 - 220 / 440V, 60 cycles 3 phase.
- (3) Wheel Speed: 6000 RPM
- (4) Grinding Wheel:
 - CBN 140# for HSS Drill,
 - SD140# for Carbide Drill.
- (5) Dimension (L x W x H): 260L x 160W x 190H.
- (6) Shipping dimension (D x W x H): 300L x 190W x 220H.
- (7) Weight: 10 kgs.
- (8) Standard Accessories:
 - Collets x 19 pcs: 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20 mm.
 - Collet holder x 1 set.
 - Allen key x 3 pcs: 1.5, 2.5, 4 mm.
 - Extension drill holder x 2 pcs.
- (9) Optional Accessories:
 - Diamond grinding wheel SD140# (For Carbide drill).
 - Collets for inch sizes.



DRILL BIT RE-SHARPENER (3–26 mm)

PRECISE, SATISFYING THE USER'S NEED

- **Precise**, super function, durable
- **Quality Assurance**, easy operation, stable quality
- **High Efficiency**, high quality grinding slip, good grinding results
- **Considerable Design**, invisible tool box, delicate & friendly use
- **Mobility**, portable design



▲ INVISIBLE TOOL BOX



▲ TWIST DRILL BITS, DEEP-SLOT DRILL BITS, TWIST DRILL BITS, NC SPOTTING



▲ HIGH QUALITY GRINDING SLIP

UNIT: mm

ITEM NO.	57105583
Drill diameter	Ø3~Ø26
Point angle	90°~140°
Power supply	AC110V, 50/60Hz, AC220V (opt.)
Speed of motor	4600 RPM
Grinding wheel	CBN#200
Weight	N.W. 19.8 G.W. 22 kgs
Machine size (L x W x H)	365 x 204 x 223
Packing size (L x W x H)	430 x 270 x 270
Type of thinning	X THINNING
Standard accessories	collet x 24pcs collet holderx 1 set metal shim 0.1mm x 2 pcs / 0.3 mm x 1pcs hexagon wrench 3mm x 1 pcs / 5 mm x 1pcs

optional SD grind wheel for carbide drills

UNIT: mm

OPTIONAL ACCESORIES

P-e imperial collet set+adaptor	Ø3.5~Ø6.5 (4 pcs)
P-f imperial collet set	Ø2.5~Ø21.5 (20 pcs)
P-SD	SD grinding wheel for carbide drills
Portable LED light	



G “ INDUSTRIAL SUPPLIES



UNIVERSAL CUTTER GRINDER

MODEL: BMT U2

ITEM NO. 57103000



- Uses for grinding HSS & carbide engraving cutters with single flute or multiple flutes in various shapes, such as radius, negative angle.
- Universal index head is built-in a 24-division device for quick indexing and 360° free adjustment. With optional equipments, you can do the grinding of end mills, twist drills and lathe tools.

< SPECIFICATIONS:

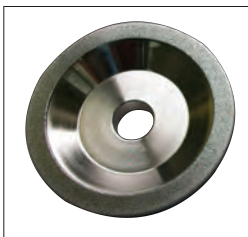
- Max. collect capacity: $\varnothing 18$ mm
- Max. grinding dia.: $\varnothing 25$ mm
- Taper angle: 0° -180°
- Relief angle : 0° -45°
- Negative angle: 0° -26°
- Grinding spindle: 3600 R.P.M.
- Cup grinding wheel: 100 x 50 x 20 mm
- Motor: 1/3 HP, 1PH
- Net weight : 45 kgs
- Machine dimensions (L x W x H): 45 x 40 x 35cm
- Packing dimensions (L x W x H): 55 x 45 x 47cm

< OPTIONAL ACCESSORY:

- Twist drill grinding attachment, ITEM NO. **57103001**
- End mill grinding attachment, ITEM NO. **57103002**
- Lathe tool grinding attachment, ITEM NO. **57103003**
- Grinding wheel balancing stand, ITEM NO. **57103004**
- Collets: Please refer to page B13 for details.
- Spindle sleeve for $\varnothing 20$ mm end mill, ITEM NO. **57103005**
- Spindle sleeve for $\varnothing 25$ mm end mill, ITEM NO. **57103006**
- Diamond grinding wheel, ITEM NO. **57103007**
- Tool cabinet, ITEM NO. **57103008**

< STANDARD ACCESSORY:

- Wheel dresser with diamond-1 pc
- Wheel flange (mounted)-1 pc
- Grinding wheel-1 pc
- Collet $\varnothing 4, 6, 8, 10, 12$ mm-5 pcs
- Aligning finger-1 pc
- Driving belt-1 pc
- Lock pin-1 pc
- Tools-1 set



Diamond
Grinding wheel



End mill
Grinding attachment



Lathe tool
Grinding attachment



Twist drill
Grinding attachment



HYDRAULIC PUNCHERS

< SPECIFICATIONS:

ITEM NO.	57104732	
Strength	120	Tons
Circuits	2	Ways
Pressure	750	kg/cm ²
Max. bore	32	mm
Max. thickness	28	mm
Throat depth	150	mm
Weight	150	kgs
Dimension (L x W x H)	500 x 180 x 550	mm
Bore-type	Round, Oval	
Operation-type	Step	



▲ ITEM NO. 57104732

< SPECIFICATIONS:

ITEM NO.	57104733	
Strength	90	Tons
Circuits	2	Ways
Pressure	750	kg/cm ²
Max. bore	27	mm
Max. thickness	22	mm
Throat depth	125	mm
Weight	87	kgs
Dimension (L x W x H)	448 x 150 x 464	mm
Bore-type	Round, Oval	
Operation-type	Auto	



▲ ITEM NO. 57104733

< SPECIFICATIONS:

ITEM NO.	57104734	
Strength	78	Tons
Circuits	2	Ways
Pressure	750	kg/cm ²
Max. bore	27	mm
Max. thickness	22	mm
Throat depth	125	mm
Weight	87	kgs
Dimension (L x W x H)	448 x 150 x 464	mm
Bore-type	Round, Oval	
Operation-type	Step	



▲ ITEM NO. 57104734 (3PH/2HP)
57104734-1 (3PH/3HP)
57104734-2 (3PH/5HP)

< SPECIFICATIONS:

ITEM NO.	57104735	
Strength	52	Tons
Circuits	2	Ways
Pressure	750	kg/cm ²
Max. bore	25	mm
Max. thickness	16	mm
Throat depth	110	mm
Weight	34	kgs
Dimension	410 x 130 x 420	mm
Bore-type	Round, Oval	
Operation-type	Step	



▲ ITEM NO. 57104735 (3PH/1HP)
57104735-1 (1PH/1HP)
57104735-2 (3PH/2HP)

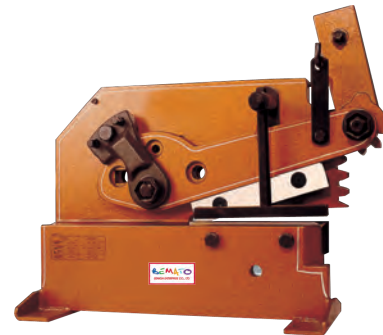


G " INDUSTRIAL SUPPLIES

STEEL SHEARS (PLATE, BAR & SECTION)

ITEM NO.	57104736	57104737
MODEL	4SG200	4SS406
	8 mm (5/16")	8 mm (5/16")
	100 mm × 10 mm (4-3/8" × 3/8")	100 mm × 10 mm (4-3/8" × 3/8")
	19 mm (3/4")	16 mm (5/8")
	18 mm (11/16")	–
	–	40 × 6 mm (1-1/2" × 1/4")
	–	40 × 6 mm (1-1/2" × 1/4")
	200 mm (8")	200 mm (8")
Weight	47.3 kgs	46.6 kgs

- The blade is made of SKS tool steel JIS G 4404



▲ ITEM NO. 57104736

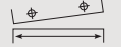
ITEM NO.	57104738	57104739
MODEL	5SS506	5SS507
	8 mm (5/16")	10 mm (3/8")
	80 mm × 12 mm (3" × 1/2")	90 mm × 14 mm (3-1/2" × 9/16")
	20 mm (3/4")	22 mm (7/8")
	18 mm (11/16")	20 mm (3/4")
	50 mm × 6 mm (2" × 1/4")	60 mm × 7 mm (2-3/8" × 9/32")
	50 mm × 6 mm (2" × 1/4")	60 mm × 7 mm (2-3/8" × 9/32")
	175 mm (7")	175 mm (7")
Weight	80.4 kgs	104.5 kgs

- The blade is made of SKS tool steel JIS G 4404



▲ ITEM NO. 57104738

STEEL SHEARS (PLATE & BAR)

ITEM NO.	57104740	57104741	57104742	57104743	57104744
MODEL	3SR120	3SR160	3SR200	3SR300	3SG250
	4 mm (5/32")	5 mm (3/16")	6 mm (1/4")	4 mm (5/32")	7 mm (9/32")
	70 mm × 5 mm (2-3/4" × 3/16")	70 mm × 6 mm (2-3/4" × 1/4")	70 mm × 7 mm (2-3/4" × 9/32")	70 mm × 6 mm (2-3/4" × 1/4")	80 mm × 7 mm (3-5/32" × 9/32")
	10 mm (3/8")	11 mm (7/16")	13 mm (1/2")	13 mm (1/2")	16 mm (5/8")
	120 mm (4-3/4")	160 mm (6-3/8")	200 mm (8")	300 mm (12")	250 mm (10")
Weight	8.3 kgs	10.2 kgs	20.1 kgs	29.8 kgs	43.5 kgs

- The blade is made of SKS tool steel JIS G 4404
- There is a long handle with each machine



▲ ITEM NO. 57104742



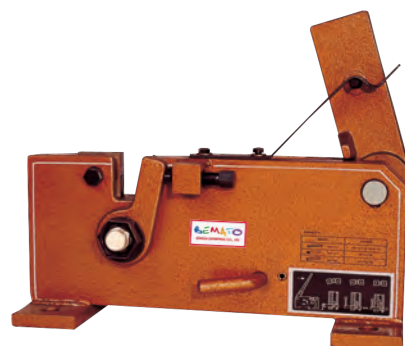
▲ ITEM NO. 57104744



CONCRETE STEEL CUTTERS

ITEM NO.	57104745	57104746	57104747
MODEL	RC5022	RC5028	RC5032
	30 mm × 10 mm (1-3/16" × 3/8")	40 mm × 15 mm (1-9/16" × 19/32")	45 mm × 16 mm (1-3/4" × 5/8")
	22 mm (7/8")	28 mm (1-1/8")	32 mm (1-1/4")
	20 mm (3/4")	24 mm (15/16")	28 mm (1-1/8")
Weight	21.7 kgs	41.1 kgs	46.8 kgs

- High quality knife featuring two cutting edges.
- The blade is made of SKS tool steel JIS G 4404



ITEM NO. 57104746



PUNCHES

ITEM NO.	57104748	57104749	57104750
MODEL	PR1006	PR1208	PR1610
	Thickness 6 mm (1/4")	8 mm (5/16")	10 mm (3/8")
	Diameter 10 mm (3/8")	12 mm (1/2")	16 mm (5/8")
	80 mm (3-1/8")	120 mm (4-3/4")	160 mm (6-1/2")
Weight	11.3 kgs	33.4 kgs	62.5 kgs

- Attached with one round punch and die.
- The special size and shape in specification, example square, elliptical or others can be ordered as your required



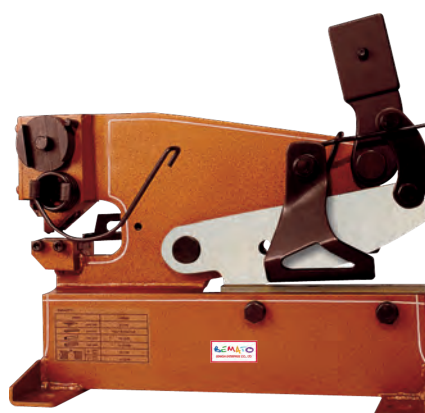
ITEM NO. 57104749



COMBINED SHEAR & PUNCH

ITEM NO.	57104751
MODEL	7SP200
	6 mm (1/4")
	70 mm × 7 mm (2-3/4" × 9/32")
	13 mm (1/2")
	11 mm (7/16")
	200 mm (8")
	Thickness 6 mm (1/4")
	Diameter 10 mm (3/8")
	80 mm (3-1/8")
weight	30.5 kgs

- A combinative type from two ITEM NO. (57104742+57104748) with ability of cutting and punching.
- There are one round punch and die in the machine.



ITEM NO. 57104751



G “ INDUSTRIAL SUPPLIES



DRILLING HEADS



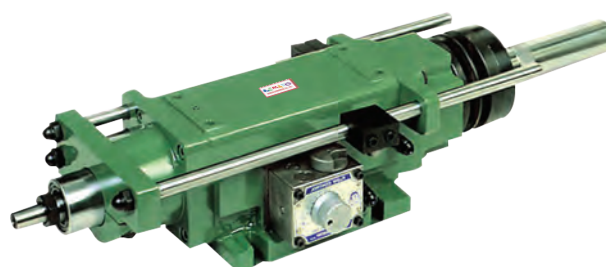
▲ ITEM NO. 57104752

ITEM NO.	57104752
Model	D3-60
Capacity (s45c)	ø6 mm
Max. speed	12000RPM
Spindle	60 mm
Motor	0.37 kw -2P or 4P , 220V/380V
Pressure	oil: 10 kgs, air: 5 kgs
Chuck type	ER-16, JT-1, JT-2
Cylinder area	forward: 12.6 cm ² , backward: 7.1 cm ²
Thrust force	oil: 126 kgs, air: 63 kgs
Net weight	20 kgs

ITEM NO.	57104801
Model	D4-100
Capacity (s45c)	ø6 mm
Max. speed	9600RPM
Spindle travel	100 mm
Pressure	air: 5 kgs, force: 108 kgs
Cylinder area	forward: 43.2 cm ² , backward: 23.9 cm ²

• DRILLING HEADS

ITEM NO.	57104753
Model	D5-85
Capacity (s45c)	ø10 mm
Max. speed	6000RPM
Spindle travel	85 mm
Motor	1HP-2P, 4P , 220/380V
Hydraulic power (kgs/cm ²)	20-25 kgs/cm ²
Chuck type	ER-20, JT-6
Cylinder area	forward: 21.6 cm ² , backward: 11.6 cm ²
Net weight	42 kgs



ITEM NO.	57104754
Model	D7-130
Capacity (s45c)	ø20 mm
Max. speed	3200RPM
Spindle travel	130 mm
Hydraulic power (kgs/cm ²)	20-25 kgs/cm ²
Chuck type	ER-25, JT-6 , TR-20,MT-2
Cylinder area	forward: 43.2 cm ² , backward: 23.9 cm ²
Net weight	32 kgs



ITEM NO.	57104755
Model	D8-150
Capacity (s45c)	ø25 mm
Max. speed	1500RPM
Spindle travel	150 mm
Hydraulic power (kgs/cm ²)	20-25 kgs/cm ²
Chuck type	NT-30A, ER-40,MT-3BM
Net weight	55 kgs



G34 - DRILLING, TAPPING & BORING HEAD SERIES

INDUSTRIAL SUPPLIES

G “ INDUSTRIAL SUPPLIES

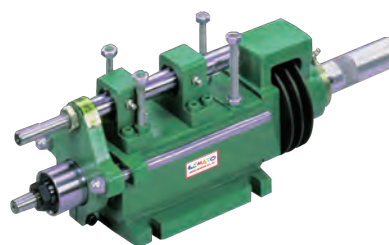


TAPPING HEADS

ITEM NO.	57104756
Model	T-50
Capacity (s45c)	ø6 mm
Spindle travel	50 mm
Motor	1/2 HP-4P , 220/380V
Chuck type	ER-16, JT-1, JT-2
Net weight	18 kgs



ITEM NO.	57104757
Model	T-65
Capacity (s45c)	ø14 mm
Spindle travel	65 mm
Chuck type	JT-6, TR-20 , ER-20, MT-2#
Indirect transmission, ax2 slots, pulley ø120, m8 time gauge pulley = 47teeth	
Net weight	30 kgs



ITEM NO.	57104758
Model	T-85
Capacity (s45c)	ø35 mm
Spindle travel	85 mm
Chuck type	ER-40, TR-32, MT-3#B, NT-30#
Indirect transmission, ax2 slots, pulley, time gauge pulley 58t,rs-40= chain wheel with dual 35t, please specify when the order is releas	
Net weight	48 kgs



ITEM NO.	57104759
Model	T-90
Capacity (s45c)	ø50 mm
Spindle travel	90 mm
rs-40-2= chain wheel with dual 30t, , m8 time gauge pulley.	
Chuck type	MT-4#, FB-30, NT-40#
Net weight	60 kgs





DRILLING / TAPPING LINKUP HEADS OF COMPOUND



ITEM NO.		57104760
Drilling Capacity	Model	AT-85/150-8
	Single shaft	ø25 mm
	Revolving speed allowable	1500RPM
	Travel	150 mm
	Use pressure	20-25 kgs
Tapping Capacity	The area of oil pressure cylinder	forward: 71.6 cm ² backward: 44.8 cm ²
	Spare parts	FLOW VALVE
	Single shaft	ø35 mm
	Travel	85 mm
	Use tooth gauge	Over 0.4 mm Use guiding process of tooth gauge, many tooth gauges for changing



ITEM NO.		57104761
Model		DT-80-150
Tapping capacity		single shaft: ø35(S45C), to guide with thread, using tooth gauge over 0.6
Accessories		Please specify tooth gauge when the order is released.(with one set of accessory)
Specification of Transmission		• Chain wheel tooth RS-40, separated into double, and each 35 teeth • A*2slots - pulley ø150 • Gear of time gauge M8*59 teeth
Drilling capacity		single shaft: ø25(S45C)
Spindle speed		1500RPM
Working pressure		20-25 kgs/ cm ²
The area of oil pressure cylinder		forward: 71.2 cm ² , backward: 44.8 cm ²



G “ INDUSTRIAL SUPPLIES



BORING HEADS



ITEM NO.	57104762
Model	F-30
Spindle specification	NT-30#, ER-20
Revolving speed allowable	At 2500 revolutions, to heat to 15°C to use bearing to match 32007 × 2, 6007 × 2
To match bearing	7006 × 4pcs, at 6000 revolutions, to heat to 15°C
Roundness of main shaft	0.005
Lubricate	grease
N.W.	11 kgs

ITEM NO.	57104763
Model	F-40
Spindle specification	NT-30#, ER-20
Revolving speed allowable	At 2500 revolutions, to heat to 15°C to use bearing 32008 × 2, 7008 × 2 At 5500 revolutions, to heat to 15°C to use bearing 7008 × 4
Roundness of main shaft	0.005
Lubricate	grease
N.W.	28 kgs

ITEM NO.	57104764
Model	F-50
Spindle specification	NT-40#
Revolving speed allowable	At 2500 revolutions, to heat to 15°C to use bearing 32008 × 2, 7008 × 2 At 5000 revolutions, to heat to 15°C to use bearing 7008×4=P4
Roundness of main shaft	0.005
Lubricate	grease
N.W.	35 kgs



BORING HEADS



ITEM NO.	57104765
Model	F-65
Spindle specification	NT-40#
Revolving speed allowable	At 2000 revolutions, to heat to 15°C to use bearing 32013 × 1, 6013 × 1 32211 × 1, 6211 × 1
To match bearing	At 4500 revolutions, to heat to 15°C to use bearing 7013 × 2, 7211 × 2
Roundness of main shaft	0.005
Lubricate	grease

ITEM NO.	57104766
Model	F-80
Revolving speed allowable	At 1500 revolutions, to heat to 15°C to use bearing 32016 × 1, 6016 × 1 30214 × 1, 6214 × 1 use bearing 32016 × 1, 30214 × 1, 7214 × 2
Roundness of main shaft	0.005
Lubricate	grease
N.W.	75 kgs

ITEM NO.	57104767
Model	F-100-4R
Revolving speed allowable	At 1500 revolutions, to heat to 15°C to use bearing 33020 × 1, 30217 × 1, 7217 × 2
Roundness of main shaft	0.005
Lubricate	grease
N.W.	176 kgs

ITEM NO.	57104768
Model	F-100-5R
Revolving speed allowable	At 1500 revolutions, to heat to 15°C to use bearing 32220 × 1, 32219 × 1, 7219 × 3
Roundness of main shaft	0.005
Lubricate	grease
N.W.	230 kgs



G “ INDUSTRIAL SUPPLIES



ADVANCED POWERED PALLET STACKERS (AC SYSTEM) (1 TON /1.5 TONS /1.8 TONS /2 TONS)

< ITEM NO. 57104769~72

FEATURES:

- Advance AC motor truck.
- Suspension drive motor allowing to use the truck on uneven surfaces.
- Brushless.
- With flux AC inverter.
- 30% Battery efficiency improvement.
- Quiet, and safe operation.
- Environmentally, friendly, durable, reliable truck.
- Electric drive, electric lifting.
- Baked enamel leadless painting.
- Straddle can lift 200mm. This stacker can carry 2 pieces of European open pallets at same time. It also has higher gradeability.
- Body length is 855mm only.
- Ride-on drive, easy handling.
- It can turn in 2.1 meter wide aisle.
- Max. fork lifting height between 2 meter and 6 meter, triple stage, full free lift mast.
- -35°C cold storage version---etc. are available as options



▲ STRADDLE LIFTING

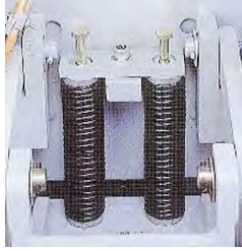


▲ FIXED STRADDLE



▲ TRIPLE STAGE MASTS

• ADVANCED POWERED PALLET STACKERS (AC SYSTEM)



OPTIONAL SPECIFICATION:

A: Overall fork width	470/520/685 mm
C: Fork inner width	90/140/305 mm
D: Fork length	1000/1300/1450 mm
E: Front end length	250/400 mm

Option: Digital weight scale

UNIT: mm

ITEM NO.		57104769	57104770	57104771	57104772
Model (aps)		10	15	18	20
Overall fork width	(a)	580	580	580	580
Each fork width	(b)	190	190	190	200
Fork inner width	(c)	200	200	200	180
Fork length	(d)	1150	1150	1150	1150
Front end length	(e)	100	100	100	100
Overall truck	(f)	850	850	850	850
Length of body	(g1)	795	815	815	815
	(g2)	855	875	875	875
	(g3)	1235	1255	1255	1255
Turning radius	(h1)	1620	1630	1630	1630
	(h2)	1680	1690	1690	1690
	(h3)	2080	2070	2070	2070
Min. fork height	(j)	90	90	90	90
Straddle lift	(k)	NONE	205	205	205
Each straddle width		150	150	150	150
Straddle outer width		540	540	540	540
Straddle inner width		240	240	240	240

UNIT: mm

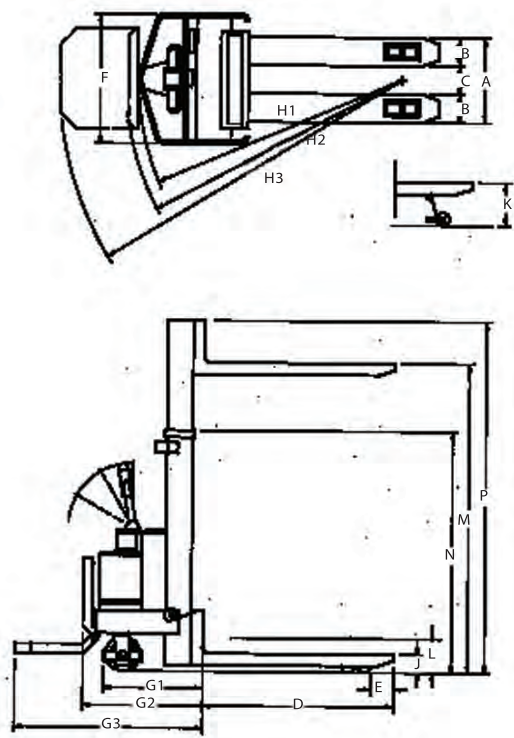
MAST TYPES	MAX. FORK HEIGHT (M)									
	ITEM NO. 57104769~72				ITEM NO. 57104770~72					
	2000	2500	3000	3500	4000	4500	5000	5500	6000	
Duplex mast telescopic										
Min. mast height (n)	1540	1790	2040	2290	2540	--	--	--	--	
Max. mast height (p)	2495	2995	3495	3995	4495	--	--	--	--	
Duplex mast hi-lo	•	•	•	•		--	--	--	--	
Min. mast height (n)	1540	1790	2040	2290	2540	--	--	--	--	
Max. mast height (p)	2495	2995	3495	3995	4495	--	--	--	--	
Free lift (l)	935	1185	1435	1685	1935	--	--	--	--	
Triple stage mast hi-lo			•	•						
Min. mast height (n)	--	--	1540	1707	1874	2041	2208	2375	2542	
Max. mast height (p)	--	--	3530	4030	4530	5030	5530	6030	6530	
Free lift (l)	--	--	1095	1260	1430	1595	1780	1930	2093	

• These mast types are not available for ITEM NO. 57104769.



G “ INDUSTRIAL SUPPLIES

• ADVANCED POWERED PALLET STACKERS (AC SYSTEM)



- A 1.8 KW AC induction motor fitted with an electromagnetic brake. It provides excellent dynamic performance. Fully laden the vehicle achieves a very good 9% grade ability. With the tiller head being in vertical or horizontal position, an electromagnetic brake will hold the truck.
- AC vectorial stepless mosfet inverter is fitted with AC drive motor of 1.8KW/24V



- Riding on the handy platform avoids haste in catching up with the truck and reduces physical fatigue.



- Traction battery used in the truck endures about 5 years and can be operated normally for 8 hours after 8 hours charge.



• ADVANCED POWER PALLET STACKERS (AC SYSTEM)

< SPECIFICATIONS

ITEM NO.		57104769	57104770	57104771	57104772
Model (aps)		10	15	18	20
Lifting					
Rated capacity		1000 kgs	1500 kgs	1800 kgs	2000 kgs
Load center		600 mm	600 mm	600 mm	600 mm
Max. lifting speed	Empty	200 mm/s	156 mm/s	156 mm/s	150 mm/s
	Loaded	110 mm/s	100 mm/s	90 mm/s	100 mm/s
Max. lowering speed	Empty	340 mm/s	310 mm/s	310 mm/s	300 mm/s
	Loaded	570 mm/s	600 mm/s	610 mm/s	570 mm/s
Driving					
Travel speed	Empty	6.0 km/h	6.0 km/h	6.0 km/h	6.0km/h
	Loaded	5.0 km/h	5.0 km/h	5.0 km/h	5.0km/h
Gradeability	Empty	9%	12%	12%	12%
	Loaded	7%	9%	9%	9%
Service weight	With battery 240 ah	998 kgs	1025 kgs	1042 kgs	1080 kgs
	Without battery	783 kgs	810 kgs	827 kgs	865 kgs
Wheels					
Fork wheels	Dimension	ø83 × 90 mm	ø83 × 75 mm	ø83 × 75 mm	ø83 × 75 mm
	Quantity (r/l)	1/1	2/2	2/2	2/2
	Material	vulcollan	vulcollan	vulcollan	vulcollan
Castor wheels	Dimension	ø140 × 60 mm	ø140 × 60 mm	ø140 × 60 mm	ø140 × 60 mm
	Quantity (r/l)	1/1	1/1	1/1	1/1
	Material	vulcollan	vulcollan	vulcollan	vulcollan
Drive wheel	Dimension	ø212 × 70 mm	ø212 × 70 mm	ø212 × 70 mm	ø212 × 70 mm
	Material	rubber	rubber	rubber	rubber
	Move up	15 mm	15 mm	15 mm	15 mm
	Move down	30 mm	30 mm	30 mm	30 mm
Battery & Motors					
Battery capacity at 5 hours discharge rate		180AH/24V	180AH/24V	240AH/24V	240AH/24V
		Other options are available			
Max. charging current		30A/24V	30A/24V	40A/24V	40A/24V
Drive motor power		1.8KW/24V	1.8KW/24V	1.8KW/24V	1.8KW/24V
Lift motor pwer		2.0KW/24V	2.0KW/24V	3.0KW/24V	3.0KW/24V
Inverter	Traveling	AC stepless			
	Lifting	Contactor type			
Steering & Brake					
Steering system			Steering arm		
Steering arc. total		185 degree			
Traveling brake	Type	Electromagnetic spring pressure			
	Actuated part	Drive wheel			
Packing brake	Type	Electromagnetic spring pressure			
	Actuated part	Drive wheel			

OPTIONAL ITEMS:

Foldable side protection guards, longer steering handle, forged type forks, stopper for ride-on platform, removable back rest, -35°C cold storage type, adjustable straddle lift, cable control lifting, non-marking white rubber drive wheel, vulcollan drive wheel, ..etc..

G “ INDUSTRIAL SUPPLIES



POWERED PALLET STACKERS (1 TON/1.5 TONS/1.8 TONS/2.0 TONS)

< ITEM NO. 57104777~80

FEATURES:

- Ride-on drive, easy handling.
- Quiet, safety, durable, reliable.
- No pollution.
- Baked enamel leadless painting.
- Electric drive, electric lifting.
- Straddle can lift 200mm. This stacker can carry 2 pieces of European open pallets at same time. It also has higher gradeability
- Body length is 855mm only.
- It can turn in 2.1 meter wide aisle.
- Max. fork lifting height between 2 meter and 6 meter, triple stage, full free lift mast, -35°C cold storage version...etc. are available as options.



▲ FIXED STRADDLE



▲ STRADDLE LIFTING



▲ FORGED FORK
(OPTIONAL)

POWERED PALLET STACKERS



Option: Digital weight scale



Option: Overhead guard

OPTIONAL SPECIFICATION:

A: Overall fork width	470/520/685 mm
C: Fork inner width	90/140/305 mm
D: Fork length	1000/1300/1450 mm
E: Front end length	250/400 mm

UNIT: mm

ITEM NO.		57104777	57104778	57104779	57104780
Model (pps)		10	15	18	20
Overall fork width	(a)	580	580	580	580
Each fork width	(b)	190	190	190	200
Fork inner width	(c)	200	200	200	180
Fork length	(d)	1150	1150	1150	1150
Front end length	(e)	100	100	100	100
Overall truck	(f)	850	850	850	850
Length of body	(g1)	795	815	815	815
	(g2)	855	875	875	875
	(g3)	1235	1255	1255	1255
Turning radius	(h1)	1620	1630	1630	1630
	(h2)	1680	1690	1690	1690
	(h3)	2060	2070	2070	2070
Min. fork height	(j)	90	90	90	90
Straddle lift	(k)	NONE	205	205	205
Each straddle width		150	150	150	150
Straddle outer width		540	540	540	540
Straddle inner width		240	240	240	240

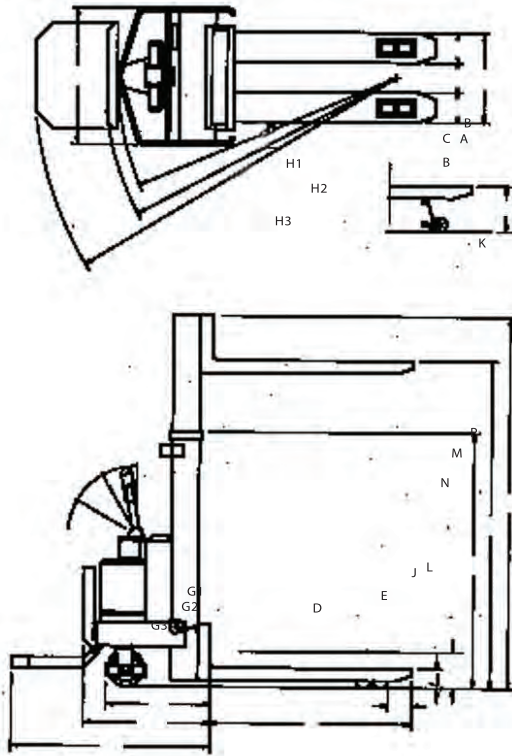
UNIT: mm

MAST TYPES	MAX. FORK HEIGHT (M)									
	ITEM NO. 57104777~80				ITEM NO. 57104778~80					
	2000	2500	3000	3500	4000	4500	5000	5500	6000	
Duplex Mast telescopic										
Min. mast height (n)	1540	1790	2040	2290	2540	--	--	--	--	
Max. mast height (p)	2495	2995	3495	3995	4495	--	--	--	--	
Duplex mast hi-lo	•	•	•	•		--	--	--	--	
Min. mast height (n)	1540	1790	2040	2290	2540	--	--	--	--	
Max. mast height (p)	2495	2995	3495	3995	4495	--	--	--	--	
Free lift (l)	935	1185	1435	1685	1935	--	--	--	--	
Triple stage mast hi-lo			•	•						
Min. mast height (n)	--	--	1540	1707	1874	2041	2208	2375	2542	
Max. mast height (p)	--	--	3530	4030	4530	5030	5530	6030	6530	
Free lift (l)	--	--	1095	1260	1430	1595	1780	1930	2093	

• These mast types are not available for ITEM NO. 57104777.

G “INDUSTRIAL SUPPLIES

• POWERED PALLET STACKERS



- 1500 Watt drive motor provides ample load carrying capacity. Even when fully loaded, the gradient ability still reaches 9%. And special brake system is installed. When steering ARM is vertical or horizontal, the micro sensor is off and the spring electromagnetic pressure works to brake the truck.
- Electric mosfet stepless controller is fitted with sepex drive motor of 1.5KW/24V.



- Riding on the handy platform avoids haste in catching up with the truck and reduces physical fatigue.



- Traction battery used in the truck endures about 5 years and can be operated normally for 8 hours after 8 hours charge.

• POWERED PALLET STACKERS

< SPECIFICATIONS

ITEM NO.		57104777	57104778	57104779	57104780
Model (pps)		10	15	18	20
Lifting					
Rated capacity		1000 kgs	1500 kgs	1800 kgs	2000 kgs
Load center		600 mm	600 mm	600 mm	600 mm
Max. lifting speed	Empty	200 mm/s	156 mm/s	156 mm/s	150 mm/s
	Loaded	110 mm/s	100 mm/s	90 mm/s	100 mm/s
Max. lowering speed	Empty	340 mm/s	310 mm/s	310 mm/s	300 mm/s
	Loaded	570 mm/s	600 mm/s	610 mm/s	570 mm/s
Driving					
Travel speed	Empty	6.0 km/h	6.0 km/h	6.0 km/h	6.0 km/h
	Loaded	5.0 km/h	5.0 km/h	5.0 km/h	5.0 km/h
Gradeability	Empty	9%	12%	12%	12%
	Loaded	7%	9%	9%	9%
Service weight	With battery 240 ah	998 kgs	1025 kgs	1042 kgs	1080 kgs
	Without battery	783 kgs	810 kgs	827 kgs	865 kgs
Wheels					
Fork wheels	Dimension	ø83 × 90 mm	ø83 × 75 mm	ø83 × 75 mm	ø83 × 75 mm
	Quantity (r/l)	1/1	2/2	2/2	2/2
	Material	vulcollan	vulcollan	vulcollan	vulcollan
Castor wheels	Dimension	ø140 × 60 mm	ø140 × 60 mm	ø140 × 60 mm	ø140 × 60 mm
	Quantity (r/l)	1/1	1/1	1/1	1/1
	Material	vulcollan	vulcollan	vulcollan	vulcollan
Drive wheel	Dimension	ø212 × 70 mm	ø212 × 70mm	ø212 × 70 mm	ø212 × 70 mm
	Material	rubber	rubber	rubber	rubber
	Moveent up	15 mm	15 mm	15 mm	15 mm
	Moveent down	30 mm	30 mm	30 mm	30 mm
Battery & Motors					
Battery capacity at 5 hours discharge rate		4x100AH/12V	180AH/24V	240AH/24V	240AH/24V
		Other options are available			
Max. charging current		30A/24V	30A/24V	40A/24V	40A/24V
Drive motor power		1.0KW/24V	1.5KW/24V	1.5KW/24V	1.5KW/24V
Lift motor pwer		2.0KW/24V	3.0KW/24V	3.0KW/24V	3.0KW/24V
Speed control principle-number of steps (electronic mosfet stepkess is standard, 3 speed is optional)		Stepless	Stepless	Stepless	Stepless
		Resistance-3 (Opaton)	Resistance-3 (Opaton)	Resistance-3 (Opaton)	Resistance-3 (Opaton)
Steering & brake					
Steering system		Steering arm			
Steering arc. total		185 degree			
Traveling brake	Type	Electromagnetic spring pressure			
	Actuated part	Drive wheel			
Packing brake	Type	Electromagnetic spring pressure			
	Actuated part	Drive wheel			

OPTIONAL ITEMS:

Foldable side protection guards, longer steering handle, forged type forks, stopper for ride-on platform, removable back rest, -35°C cold storage type, adjustable straddle lift, cable control lifting, non-marking white rubber drive wheel, vulcollan drive wheel, ..etc..



G “ INDUSTRIAL SUPPLIES



ADVANCED COUNTERBALANCED REACH TRUCKS (AC SYSTEM) (1 TON/1.5 TONS/2.0 TONS)

< ITEM NO. 57104785~87

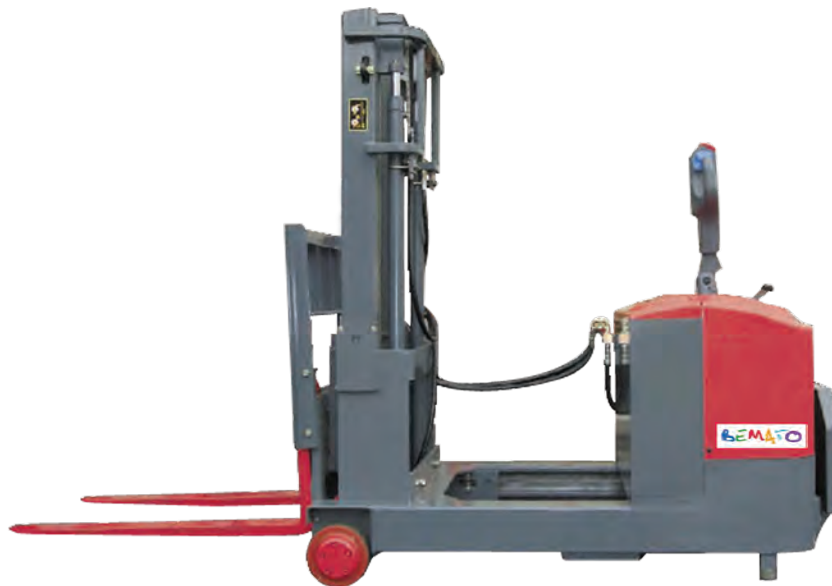
- Mast reach electric stacker
- Advanced AC motor product
- Without carbon brush, easy maintenance
- Save electricity efficiently by 30%
- FRP body cover and battery cover
- Lead-free PU baked enamel painting
- Polyoxymethylene steering arm
- Mast draw back can reduce truck weight, reduce truck length and increase stability
- No pollution, quiet, safty, durable and reliable

OPTIONAL ITEMS:

-35°C cold storage version, foldable side protection guards,...etc. are available as options



> MAST AT REACHING CONDITION
IT CAN CARRY ANY TYPES OF PALLETS
ITEM NO. 57104786



> MAST AT DRAW BACK CONDITION
IT CAN REDUCE TRUCK WEIGHT, REDUCE
TRUCK LENGTH AND INCREASE STABILITY.
ITEM NO. 57104786

• ADVANCED COUNTERBALANCED REACH TRUCKS



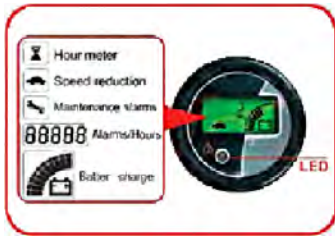
• AC Drive motor



• EPS Steering Arm



• Emergency stop switch



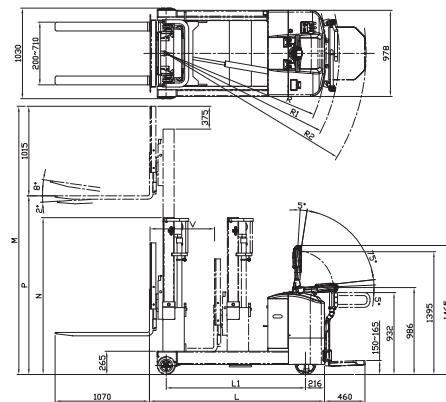
LED MDI-CAN



• Powerful traction battery

UNIT: mm

ITEM NO.		57104785	57104786	57104787
Model (art)		10	15	20
Truck length	l	1790	1790	1990
Truck width		1030	1030	1030
Wheel base	l1	1380	1380	1580
Total length with draw		2210	2210	2410
Overall length with draw		2860	2860	3060
Fork length		1070	1070	1070
Turning radius	r	1618	1618	1818
	r1	1766	1766	1966
	r2	2070	2070	2270
Mast reach length	v	650	650	750
Fork wheel width		1030	1030	1030
Fork adjustable width		200-710		
Height of straddle		265	265	265



UNIT: mm

MAST TYPES	MAX. FORK HEIGHT (M)										
	2000	2500	3000	3500	4000	4500	5000	5500	6000	6350	
Duplex mast telescopic											
Min. mast height (n)	1610	1860	2110	2360	2610	--	--	--	--	--	
Max. mast height (m)	3015	3515	4015	4515	5015	--	--	--	--	--	
Duplex mast hi-lo full free lift											
Min. mast height (n)	1610	1860	2110	2360	2610	--	--	--	--	--	
Max. mast height (m)	3015	3515	4015	4515	5015	--	--	--	--	--	
Free lift	950	1224	1490	1740	1998	--	--	--	--	--	
Triple stage mast hi-lo											
Min. mast height (n)	--	--	1610	1860	1960	2110	2260	2460	2610	2730	
Max. mast height (m)	--	--	4015	4515	5015	5515	6015	6515	7015	7365	
Free lift	--	--	830	1000	1324	1400	1650	1820	2000	2116	



G “ INDUSTRIAL SUPPLIES



ADVANCED COUNTERBALANCED REACH TRUCKS (AC SYSTEM) (1 TON/1.5 TONS/2.0 TONS)

< SPECIFICATIONS

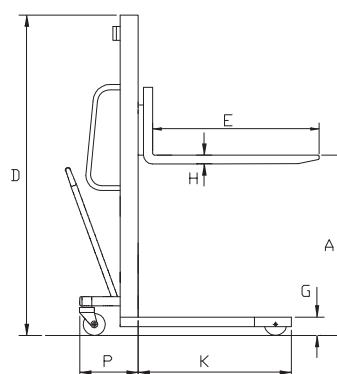
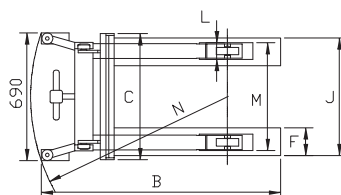
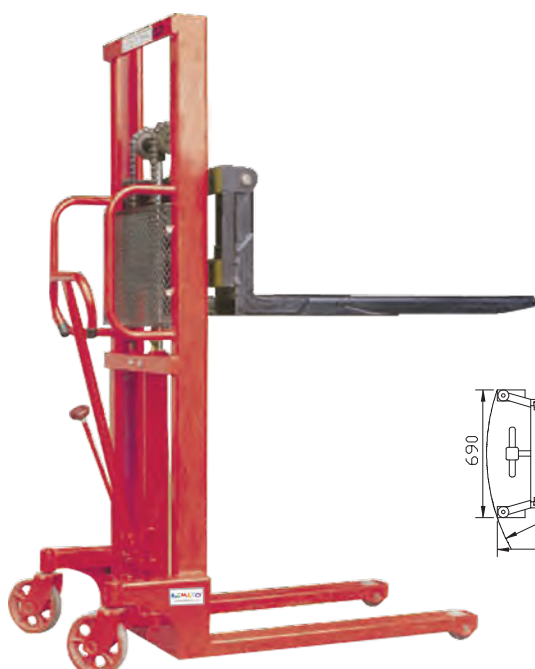
ITEM NO.		57104785	57104786	57104787
Model (art)		10	15	20
Lifting				
Rated capacity		1000 kgs	1500 kgs	2000 kgs
Load center		500 mm	500 mm	500 mm
Forks (T x W x L)		40×100×1070 mm		45×100×1070 mm
Lifting speed	Loaded	90 mm/s	90 mm/s	75 mm/s
	Empty	200 mm/s	200 mm/s	200 mm/s
Lowering speed	Loaded	620 mm/s	620 mm/s	630 mm/s
	Empty	208 mm/s	208 mm/s	208 mm/s
Travel speed	Loaded	5.5 km/h	4.5 km/h	4.5 km/h
	Empty	6 km/s	6 km/s	6 km/s
Gradeability	Loaded	6%	6%	6%
	Empty	8%	8%	8%
Fork tilting angle (f/r)		3°/8°	3°/8°	3°/8°
Weight of truck	With battery	1785 kgs	1865 kgs	1945 kgs
	Without battery	1570 kgs	1650 kgs	1730 kgs
Wheels				
Fork wheels	Dimension	ø205×70 mm		
	Quantity (r/l)	1/1		
	Material	PU		
Drive wheel	Dimension	ø235×120 mm		
	Material	PU		
Battery & Motors				
Battery capacity at 5 hours discharge rate		240AH	240AH	240AH
Max. charging current (24V)		40A	40A	40A
Drive motor power (24V)		1.6 kw	1.6 kw	1.6 kw
		0.4 kw	0.4 kw	0.4 kw
Lifting motor power (24V)		3.5 kw	3.5 kw	3.5 kw
Controller			AC Stepless	
Steering & Brake				
Steering system			Steering arm	
Steering arc. total			185 degree	
Travelling brake	Type	Electromagnetic spring pressure		
	Actuated part	Drive wheel		
Packing brake	Type	Electromagnetic spring pressure		
	Actuated	Drive wheel		
Alarm device		Reverse horn		



MANUAL PALLET STACKERS (1 TON/1.2 TONS/1.5 TONS)

◀ ITEM NO. 57104791~92 & 73~76
(MPS-10/12/15/10W/12W/15W)

- Manually hydraulic pump lifting.
- Easy handling.
- Easy lifting.
- Load capacity: 1000 kgs
- Max. lifting height: 1500 mm is standard, 1600mm is optional.
- For small area use.
- For not frequent user.
- In addition, (57104774) wide straddle version is used for closed pallets.
- It has fork wheel 80 mm (3.15") or 180 mm (7.09") diameters for your choice, and the straddle inner width will be 1240 mm, or 1140 mm ..etc.
- Distance of straddle outer width has option 530 mm for european closed pallets.



ITEM NO.	57104791	
Model	MPS-10/1500(Standard)	
Load capacity	1000 kgs	2200 lb
Load center	450 mm	17.72"
(a) Max. fork height	1500 mm	59.05"
Service weight	180 kgs	396 lb
Fork wheel material	ø 80 × 70 mm poly-urethane	ø 3.15" × 2.75"
Steering and caster wheel material	ø 180 × 50 mm poly-urethane	ø 7.09" × 2.00" ←
(b) Overall length	1300 mm	51.18"
(c) Overall width	710 mm	27.95"
(d) Overall height	1880 mm	74.00"
(e) Fork length	900 mm	35.43"
(f) Fork width	150 mm	5.90"
(g) Min. fork height	90 mm	3.54"
(h) Fork thickness	65 mm	2.56"
(j) Distance of forks	330-660 mm	13.00"~25.98"
(k) Straddle length	820 mm	32.28"
(l) Each straddle width	100 mm	3.94"
(m) Distance of straddle	590 mm	27.16"
(n) Turning	1300 mm	51.18"
(p) Length of body	330 mm	13.00"
Straddle height	85 mm	3.35"

▲ LOAD CAPACITY 1200KGS (MPS-12)
AND 1500 KGS (MPS-15) ARE OPTIONAL.

G “ INDUSTRIAL SUPPLIES

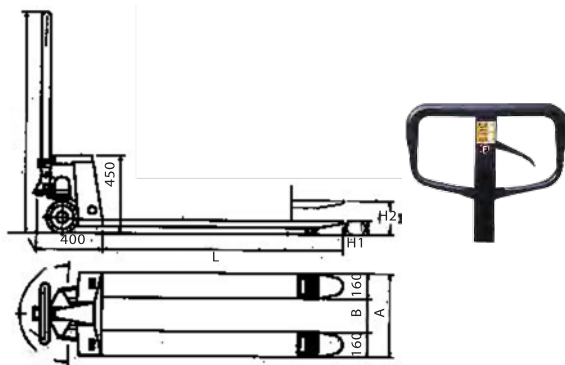


HAND PALLET TRUCKS (2 TONS/2.5 TONS/3 TONS)

< ITEM NO. 57104793/57104794/57104795
(HPT-20/25/30)

FEATURES:

- Load capacity 2000 kgs/2500 kgs/3000 kgs
- High quality hydraulic lifting cylinder is durable, reliable.
- No oil leakage.
- Easy handling.
- Easy lifting.
- Baked enamel coating.
- With an overload relief valve to avoid misuse due to over loading.
- Steer and fork wheels are made by steel and covered by polyurethane.
- Reliable, durable and critical hydraulic pump withstands thousands of lifting/lowering cycles and it is well sealed to prevent leaking.



There is no special operation training required. The spring-loaded loop handle provides easy operation and automatically returns to vertical position when released. Neutral allows the operator to handle load at the most convenient angle.

One piece “C”-channel formed steel reinforces fork strength to carry more load without bending. Incorporated with DUCTILE IRON castings at pivotal points, no grease fitting is required. Dual wheels sets are also available.

Every 6 units are packed on a wooden pallet for export.

UNIT: mm

ITEM NO.		57104791	
Model			
Fork height		Standard	Option
Lowered (h1)		85	76
Lifted (h2)		200	190
Fork wheels		ø82 × 70	ø76 × 93
No. of fork wheels		2pcs × 2	1pc × 2
Steer wheels		ø180 × 50	ø180 × 50
Wheel material	Steel covered by poly-urethane	Steel covered by Nylon	
Service weight		95 kgs	
Fork thickness		45 mm	



UNIT: mm

STYLE	OVERALL WIDTH (A)	FORK LENGTH (L)	INNER WIDTH (B)
HPT-NS	520	910	200
HPT-NM	520	1070	200
HPT-WM	685	1070	365
HPT-WL	685	1220	365



HAND PALLET TRUCKS (4 TONS/5 TONS)

UNIT: mm



ITEM NO.	57104796	57104797
Model	HPT-40	HPT-50
Fork height	Standard	Standard
Lowered	85	90
Lifted	205	210
Fork wheels	ø80×60 (tandem)	ø85×70 (tandem)
No. of fork wheels	2pcs×2	2pcs×2
Steer wheels	Ø200×60	Ø200×70
Wheel material	Steel covered by poly-urethane	Steel covered by poly-urethane
Each fork width	160	190
Fork thickness	60	60
Size (L x W)	900×520 1050×520 1220×680	1220×700 or 800 1500×700 or 800



PETAL HYDRAULIC PLATFORM WAGONS



▲ W/ LIMIT SWITCH
ITEM NO. 57104799



▲ W/O LIMIT SWITCH
ITEM NO. 57104798-1

UNIT: mm

ITEM NO.	MODEL	LOADING (kgs)	MAX. HEIGHT OF PLATFORM	MIN HEIGHT	PLATFORM SIZE	SELF WEIGHING (kgs)	WALKING WHEEL	LIMIT SW.
57104798-1	HHI-035D	350	1300	350	905 x 510	108	Φ125 x 45	X
57104798	HHI-035D	350	1300	350	905 x 510	108	Φ125 x 45	O
57104799	HHI-030 IM	300	880	280	800 x 500	73	Φ130 x 40	O
57104799-1	HHI-030	300	900	280	815 x 500	76	Φ125 x 45	X



G “ INDUSTRIAL SUPPLIES



OIL TANK FIXTURE (SINGLE, DOUBLE-TANK TYPE)



< ITEM NO. 57104800

- Load: 500 kgs
- Available to be used for weighing stacker.



OIL DRUM TILTERS



< ITEM NO. 57104802

- Manual and electric type / 50 Gallons



^ ITEM NO. 57104803

- Electric oil drum tilter / Incline forward at 360°

UNIT: mm

ITEM NO.	LOADING (kgs)	STROKE	LOADING CAPACITY	BATTERY	CHARGER	DIMENSION	HEIGHT	WIDTH
57104802	350	1500	360°			1240	1900	930
57104803	300	2500	360°	12V/N100	AC100V	1340	1800	930



MINI STACKERS



▲ PETAL TYPE

- Available for two uses on stacking, platform, operation under 400 kgs.
- Top cover plate belongs to special accessories.

Optional accessory: 6" angled wheel, coil control, load platform.

UNIT: mm

ITEM NO.	MODEL	LOADING (kgs)	STROKE	MIN. POINT	FORK LENGTH
57104804	LFT-04012	400	1200	90	640
57104805	LFT-04015	400	1500	90	640
57104806	LFT-04017	400	1700	90	640

UNIT: mm

PLATFORM (L×W×H)	MACHINE DIMENSION	MACHINE WEIGHT (kgs)	BATTERY	BIKE REVOLVING NO.
640×570×60	1010×600×1310	85	Petal type	50
640×570×60	1010×600×1710	90	Petal type	68
640×570×60	1010×600×1910	92	Petal type	78

G “ INDUSTRIAL SUPPLIES



SPINDLE TAPER WIPERS (NON-WEAVE CLOTHES)



▲ ITEM NO. 57100651

▲ ITEM NO. 57100652

▲ ITEM NO. 57100650

BT TYPE

Cleaning ships of taper wiper is made of lambskin. it can clean inside slides of spindles to prevention of static electricity and to extend spindles and tapers durable life

- Plastic holder
- FELT: NON-WOVEN cloth or lamb leather

ITEM NO.	TAPER / WITH NON-WOVEN CLOTH
57100650	#30
57100651	#40
57100652	#50
57100653	#30
57100654	#40
57100655	#50

- ITEM NO.57100653~655
TAPER/WITH LAMB LEATHER

▼ ITEM NO. 57104813



▼ ITEM NO. 57104812



▼ ITEM NO. 57104811



TAPER WIPER FOR RUST REMOVEAL

Use for the maintenance against the rusts of spindle

- Put cleaning oil on the soft chips of the taper wiper.
- Softly prees the taper wiper on and inside the spindle.
- Rotate the spindle with the low rotational speed.
- Clean the spindle with taper wipers of cotton materials (or cerebral cortex) alternatively

ITEM NO.	TAPER / WITH NON-WOVEN CLOTH
57104811	#30
57104812	#40
57104813	#50



SPINDLE TAPER WIPERS (NON-WEAVE CLOTHES)

ITEM NO. 57104815



ITEM NO. 57104814

HSK TYPE

TYPE	ITEM NO.
#40	57104814-1
#50	57104814
#63	57104815
#100	57104815-1

ITEM NO. 57104816

TAPER WIPER

ITEM NO.

57104816

TAPER: 1/10



WIPES IN ROLL

LIGHT DUTY

ITEM NO. 57100536

FEATURES:

- No damaging or scratching on objects.
- Absorbs water and oily liquids.
- Material: 100% pure pulp
- Size: 260 mm x 1000 M
- Color: white

HEAVY DUTY

ITEM NO. 57100537

ITEM NO. 57100538-1 (SUPER)

FEATURES:

- For absorbing heavy oily liquids.
- Material: 100% pure pulp
- Size: 250 mm x 320 M
220 mm x 200 M
- Color: white



ITEM NO. 57100538-1



ITEM NO. 57100536
ITEM NO. 57100537

OPTIONAL STAND



G36 - WIPERS

INDUSTRIAL SUPPLIES

G[“] INDUSTRIAL SUPPLIES



CABLES

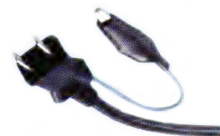
✓ ITEM NO. 57105332
1-15P



✓ ITEM NO. 57105338
6-20P



✓ ITEM NO. 57105344



✓ ITEM NO. 57105333
1-15P



✓ ITEM NO. 57105339



✓ ITEM NO. 57105345
PIN: 4ø



✓ ITEM NO. 57105334
5-15P



✓ ITEM NO. 57105340
PIN: 4ø



✓ ITEM NO. 57105346
PIN: 4ø



✓ ITEM NO. 57105335



✓ ITEM NO. 57105341
PIN: 4.8ø



✓ ITEM NO. 57105347
PIN: 5ø, 7ø



✓ ITEM NO. 57105336
6-15P



✓ ITEM NO. 57105342



✓ ITEM NO. 57105348
BS-1363A



✓ ITEM NO. 57105337
5-20P



✓ ITEM NO. 57105343



✓ ITEM NO. 57105349
PIN: 4ø





CABLE REELS



R54719

- ▲ ITEM NO. 57105350 (2C-L:30M)
- ▲ ITEM NO. 57105350-1 (2C-L:45M)



- ▲ ITEM NO. 57105351 (3C-L:30M-Φ2.0 mm)
- ▲ ITEM NO. 57105351-1 (3C-L:45M-Φ2.0 mm)
- ▲ ITEM NO. 57105352 (3C-L:30M-Φ3.5 mm)



LEVER HOISTS

FEATURES:

- Rugged steel body construction.
- Lightweight, compact and portable.
- Impact resistant.
- 360 degree handle rotation.
- Short stroke and low lever pulling effort.
- Easy free chaining.
- Safe, reliable mechanical brake
- High-tensile alloy chain.



NEW

■ EASY FREE CHAINING:

Single-hand "free chaining" system is simple, reliable and convenient. just one hand "turns the change lever to neutral position; operators will enjoy the easiest free chaining which allow smooth, trouble-free operation in the vertical or horizontal position.

■ AGAINST DAMAGE FROM DUST & WATER

Brake cover and handle are fully connected to keep out dirt, dust and rain contamination.

■ SUPERIOR GEAR DESIGN:

The pinion gear are made in one operation by drop forging which includes heat treatment. They are made strong, durable and corrosion resistant. High precision construction minimizes gear noise.



• HOL= HEIGHT OF LIFTING

UNIT: mm

ITEM NO.	CAPACITY (TON)	EFFORT (kgs)	HEADROOM	LOAD CHAIN		STANDARD HOL (m)	MASS @ STD HOL (kgs)	MASS FOR EXTRA METER HOL (kgs)
				DIAMETER	NO. OF FALLS			
57105594	0.25	30	245	Φ4.0	1	1.5	2.2	0.35
57105595	0.5	34	270	Φ5.0	1	1.5	3.5	0.54
57105596	0.75	22	275	Φ6.3	1	1.5	7.4	0.86
57105597	1.0	29	295	Φ6.3	1	1.5	7.4	0.86
57105598	1.5	26	320	Φ7.1	1	1.5	10.1	1.10
57105599	3.0	38	400	Φ10.0	1	1.5	18.2	2.17
57105600	6.0	40	570	Φ10.0	2	1.5	29.3	4.34
57105601	10.0	47	630	Φ10.0	3	1.5	46.0	6.54

G “ INDUSTRIAL SUPPLIES



AUTO ACCESSORIES

HAND PULLER

- DIY-- 1 TON HAND POWER PULLER



Durable



Safety



Precision



Bi-color Handle



- A compact and versatile tool
- Polished heavy steel ratchet arm for a smooth nonbinding operation
- Heat treated bolts
- Drop forged steel hooks with spring safe latches

Mini type single gear & single pawl (packing: 1 pc / color box)

ITEM NO.	CAPACITY	CABLE	HOOK	THICKNESS		N.W. (kg)	PACKING		
				HANDLE	BODY		G.W. (kg)	CUFT	Q'TY
57105737	1 TON	5 mm x 10ft	2	2.6 mm	2.6 mm	15	17	1.45	6

- STANDARD-- 2 TONS HAND POWER PULLER



Strengthened



Precision



Solidness



- A great helpmate for your life and work
- Comfortable hand grip
- Heavy duty steel stamped ratchet gears, drive pawls and stop pawls for reinforcement
- Heat treated bolts
- Drop forged hanging bracket can be operated by 360 degrees

Ai type single gear & single pawl (packing: 1 pc / color box)

ITEM NO.	CAPACITY	CABLE	HOOK	HANDLE	BODY	N.W. (kg)	PACKING		
							G.W. (kg)	CUFT	Q'TY
57105738	2 TON	5 mm x 12ft	2	3.5 mm	3.5 mm	21.5	23.5	1.45	6



AUTO ACCESSORIES

HAND PULLER

- PROFESSIONAL-- 2 TONS HAND POWER PULLER



Easy Operation



Safety



Durable



DURABLE SOLID STEEL GEAR



3 HOOK

- Strong, durable and easy operation.
- Durable solid steel gear construction for greater pulling power & safety.
- Large drop forged alloy steel safety hooks.
- Attractive bi-colored grip.
- Cable clamp fixed onto the drum for safety.

D type single gear & single pawl (package: color box and blow case are available)

ITEM NO.	CAPACITY	CABLE	HOOK	THICKNESS		N.W. (kg)	PACKING		
				HANDLE	BODY		G.W. (kg)	CUFT	Q'TY
57105739	2 TON	5 mm x 12ft	2	3.5 mm	3.5 mm	23.5	24.2	1.75	6

- PROFESSIONAL-- 4 TONS HAND POWER PULLER



Easy Operation



Safety



Durable



DURABLE SOLID STEEL GEAR



3 HOOK

- Strong, durable and easy operation
- Durable solid steel gear construction for greater pulling power & safety
- Large drop forged alloy steel safety hooks
- Attractive bi-colored grip
- Cable clamp fixed onto the drum for safety

D type single gear & single pawl (package: color box and blow case are available)

ITEM NO.	CAPACITY	CABLE	HOOK	THICKNESS		N.W. (kg)	PACKING		
				HANDLE	BODY		G.W. (kg)	CUFT	Q'TY
57105740	4 TON	6 mm x 10ft	3	5 mm	6 mm	22.9	23.5	1.38	3



G “ INDUSTRIAL SUPPLIES

AUTO ACCESSORIES

HAND PULLER

- PORTABLE-- 1 TON HAND POWER PULLER



Light Handle
light can be used individually



Black Handle



Bi-color Handle



Easy assembly handle



Emergency



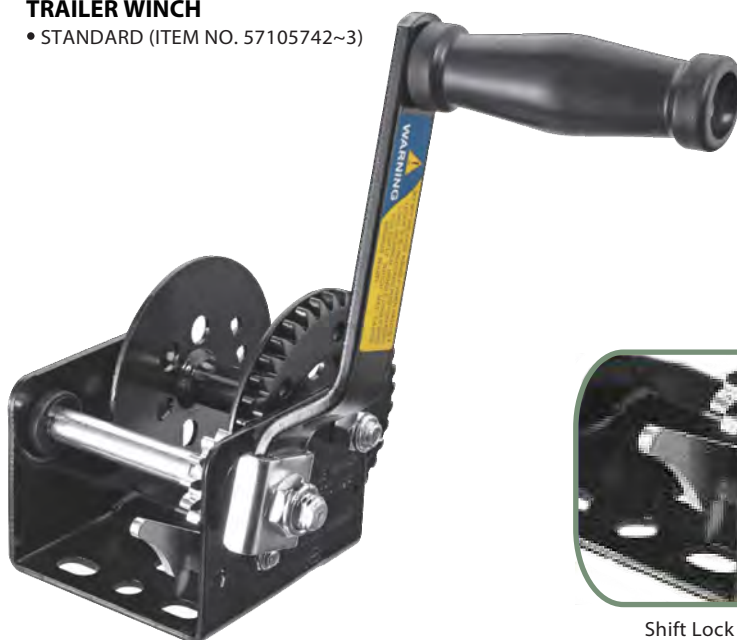
Fence

- Store easily under a pick-up seat or straps in a luggage carrier.
- Ergonomic detachable handle design.
- Emergency situations:
As a winch, move, immobilize, tow, rescue your vehicle in slopes, hollows, slippery terrain: snow covered, sandy or muddy road.
- Patents pending in Usa, Canada, China and Taiwan.
(Package: 1 set / blow case)

ITEM NO.	CAPACITY	CABLE	GEAR	HANDLE TYPE	HOOK	THICKNESS			PACKING		
			PAWL			HANDLE	BODY	N.W. (kg)	G.W. (kg)	CUFT	Q'TY
57105741	1 TON	5 mm x 10'	SINGLE	Bi-Color	2	3.5 mm	3 mm	20	21	1.96	6

TRAILER WINCH

- STANDARD (ITEM NO. 57105742~3)



Shift Lock



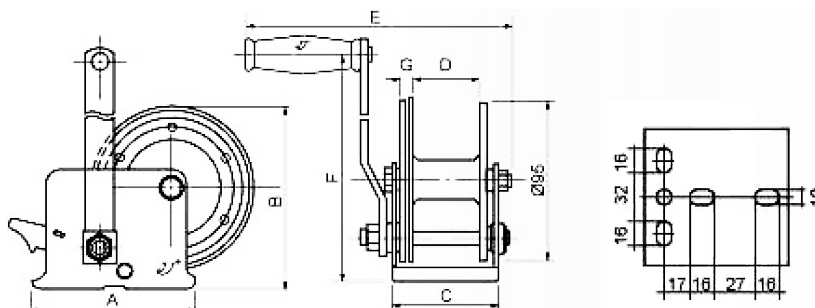
Ratch Cover



AUTO ACCESSORIES

TRAILER WINCH - STANDARD

- Solid gears construction
- Black electrostatic discharge coating or zinc plated finish
- Precise gear tooth engagement



UNIT: mm

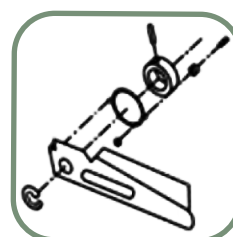
ITEM NO.	CAPACITY	GEAR RATIO	A	B	C	D	E	F	G	THICKNESS BODY	GEAR
57105742	600 lbs / 270 kgs	3.1 : 1	95	104	89	50	203	205	10	3.0	6.0
57105743	850 lbs / 385 kgs	3.1 : 1	95	104	89	50	203	205	11	3.2	7.0

※ Plastic guard for the gear is available

TRAILER WINCH - PROFESSIONAL

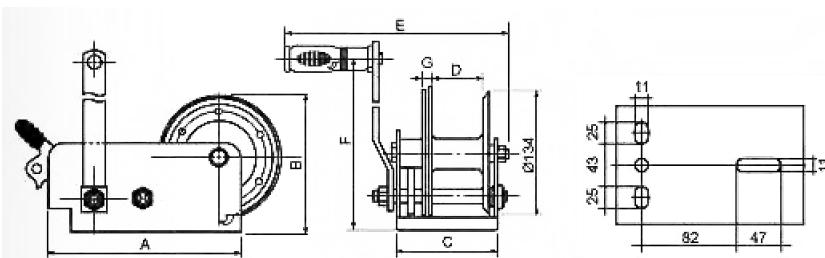


Ratchet Cover



Built-in hand break

- Solid gears construction.
- Black electrostatic discharge coating or zinc plated finish.
- Precise gear tooth engagement.
- Embossed frame for reinforcement.
- Built-in hand brake (for item W06-525).
- Snap-on handle for easy detachment.
- Switch with PVC cover.



UNIT: mm

ITEM NO.	CAPACITY	GEAR RATIO	A	B	C	D	E	F	G	THICKNESS BODY	GEAR
57105744	2000 lbs / 900 kgs	4.1 : 1 / 10.7 : 1	180	154	130	68	298	299	12	4.0	8.0
57105745	2500 lbs / 1100 kgs	5.1 : 1 / 13.3 : 1	198	185	131	67	298	299	14	4.5	9.0

※ Plastic guard for the gear is available



G “ INDUSTRIAL SUPPLIES



AUTO ACCESSORIES

TIE DOWN SET

• RATCHET SERIES--1"



< ITEM NO. 57105746

- Size: 1" x 5 m Hook: double "s"
- Webbing: polypropylon / nylon / polyester
- Capacity: 400 kgs / 600 kgs
- Package: sliding card
- Packing: 36 pcs / 17 kgs / 18 kgs / 1.7'



< ITEM NO. 57105747

- Size: 1" x 5 m Hook: double "j"
- Webbing: polypropylon / nylon / polyester
- Capacity: 400 kgs / 600 kgs
- Package: sliding card
- Packing: 36 pcs / 17 kgs / 18 kgs / 1.7'

• RATCHET SERIES--1.5"



< ITEM NO. 57105748

- Size: 1-1/2" x 6 m Hook: double "j"
- Webbing: polyester
- Capacity: 2000 kgs / 3000 kgs
- Package: color box
- Packing: 10 pcs / 15 kgs / 16 kgs / 0.9'

• RATCHET SERIES--2"



< ITEM NO. 57105749

- Size: 2" x 9 m Hook: double "j"
- Webbing: polyester
- Capacity: 5000 kgs
- Package: color box
- Packing: 10 pcs / 26 kgs / 28 kgs / 2.3'