



Dakota Sourcing, LLC

601 N. 16th St.

Beresford, SD 57004

P. (605)-763-4900

www.dakotasourcing.com

sales@dakotasourcing.com



 **DAKOTA SOURCING**

601

North 16th Street

PRODUCT CATALOG

DSCN010

STANDARD TERMS & CONDITIONS

PAYMENT TERMS: Net 30 days. Late charges of 1-1/2% per month will be charged every 30 days following the due date. Prices subject to change without notice. DAKOTA SOURCING, LLC does accept credit cards for payment on account, but does reserve the right to decline such acceptance of payment. A credit card fee, of 3%, will be added to all payments using credit cards.

FREIGHT POLICY: Orders totaling \$1,000 in the continental United States and orders totaling \$2,500 or more in Canada are full freight allowed. For copper fitting orders, FFA is \$750. Extra charges, such as scheduled delivery appointments, redelivery fees, lift gate charges, etc. are not included in FFA shipments. Any additional special charges to DAKOTA SOURCING, LLC will be charged back to customer. All orders less than FFA, shipping and handling will be prepaid and added to your invoice. A charge of \$10.00 will be added to all expedited shipments. A charge of \$25.00 will be added to all non-standard carrier pickups. An Export Documentation Fee of \$15 will be added to all orders shipping outside of the U.S.

MINIMUM ORDER: \$50.00 minimum order on all original orders.

GENERAL POLICIES: All items not ordered in multiples of standard package quantities, will automatically be increased to the next standard package quantity. Purchase orders submitted by our customers imply accepting our general terms, conditions and prices as stated, any conflicting terms, conditions or prices stated on the purchase order cannot supersede our terms.

IF IT IS YOUR POLICY TO ISSUE A CONFIRMING PURCHASE ORDER FOLLOWING PHONE ORDERS, BE CERTAIN THE ORDER IS CLEARLY MARKED AS CONFIRMING.

We reserve the right to make changes in design, packaging, material or finish in an effort to improve our products without special notification.

DAKOTA SOURCING, LLC has made a diligent effort to illustrate and describe the products in the catalog and website accurately; however, such illustrations and descriptions are for the sole purpose of identification, and do not express or imply a warranty that the products are merchantable, or fit for a particular purpose. DAKOTA SOURCING, LLC assumes no liability for typographical or photographic errors.

Many states and localities have codes and regulations governing sales, construction, installation and/ or use of products for certain purposes, which may vary from those in neighboring areas. Before purchase and use of a product, please review the product application, federal and local codes and regulations, and be certain the product, installation and use will be in compliance with any applicable codes and regulations.

PRICING: Quotes are valid for 30 days unless noted otherwise on the quote. Once a quote is accepted and an order is placed, the quoted price is valid for 3 months. At which time, costs are evaluated and pricing may change.

BACK ORDERED ITEMS: When an item is unavailable back orders are generated.

LOST OR DAMAGED POLICY: Although we take special care to ensure the safe arrival of your merchandise, our responsibility for damages ceases when the customer accepts the shipment. To protect your interests, we suggest that you thoroughly inspect all items before accepting delivery. Please take pictures of the damage or shortage to help the claim process. If your order was damaged in shipment or contains a shortage, report the loss or damage within one business day from the date of delivery to DAKOTA SOURCING, LLC. Any claims for lost or damaged freight must be noted on the Bill of Lading and photos taken at the time of delivery is required to receive replacement inventory and/or credit. If damage is present, you must hold the original carton and merchandise for credit by your Sales Representative – otherwise, no claim can be honored.

ORDER DISCREPANCIES: All order discrepancies must be reported to us within one business day from the date of the delivery. Any discrepancies reported after this period cannot be honored.

RETURNS: No merchandise will be accepted for return without prior written authorization. Call our Customer Service Department to request permission to return goods. Instructions on method of return will be given to you at that time. No credit will be allowed for material determined to be over 1 year old, of obsolete or old design, in unsalable condition or not in standard quantities. All returns are subject to a restocking, repackaging, and return charge.

Dakota Sourcing reserves the right to change the policy at any time, with or without notice.

INSTALLATION AND MAINTENANCE

EQUIPMENT PADS	1
MOUNTING SUPPLIES	2
DRAIN PANS	4
STRUT & ACCESSORIES	5
CAULKING & SEALANTS	7



AIR DISTRIBUTION

STRAPS	9
DUCT BRACKETS	10
LOUVER & DIFFUSER	11
ROOF FLASHINGS	11
SMOKE EMITTERS	13
VENTILATION PRODUCTS	14
VENTING DUCT	19
BLADE SPACING REGISTER	21



PIPING & FITTINGS

GAS LINES	25
AIR TEST GAUGES	27
VINYL TUBING	28
ICE MAKER INSTALLATION KITS	29
TUBING INSULATION	30
PIPE HANGERS	30
COPPER FITTINGS	31
DWV FITTINGS	34
SCHEDULE 40 PVC FITTINGS	34
SCHEDULE 80 PVC FITTINGS	36
PVC UTILITY BALL VALVES	36
CPVC FITTINGS	36
PVC PIPES	37
NYLON BARB FITTINGS	39
MALLEABLE BLACK IRON PIPE	41
BLACK STEEL PIPE & NIPPLES	43
BRASS FITTINGS	44
COPPER TUBING	52



ELECTRICAL

CONDUIT & FITTINGS	53
DISCONNECT SWITCHES	55
POWER CORDS	55
ELECTRICAL FITTINGS	57
CAPACITORS	58
CONTACTORS	60
CIRCUIT BREAKERS	64
HEATING CABLES	64
WIRE TERMINALS	65
ELECTRICAL BOXES & COVERS	69
SWITCHES AND RECEPTACLES	70
FUSES	71
ELECTRICAL WIRE	75



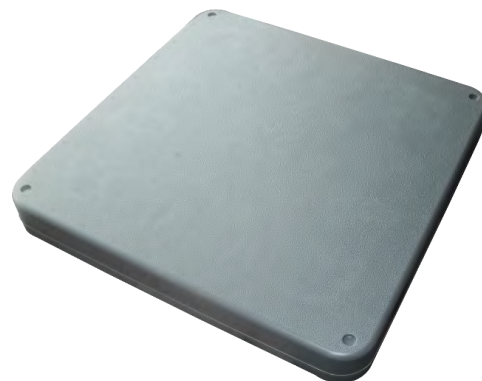
ELECTRONICS & CONTROLS	RELAYS	77	  
	IGNITERS	78	
	TRANSFORMERS	78	
	HEAT SEQUENCERS	79	
	THERMOSTAT	79	
TOOLS	HAND TOOLS	81	  
	PROFESSIONAL TOOLS	83	
	INSPECTION TOOLS	85	
	PIPE & TUBE TOOLS	87	
MISCELLANEOUS & HARDWARE	CONDUIT STRAPS	89	  
	MISCELLANEOUS	90	
	INDUSTRIAL TOWELS	93	
	BATTERIES	94	
	BRUSHES	95	
	V-BELTS	97	
	MAINTAINCE & SERVICE	98	
	BODY PROTECTION	99	
	TAPES	102	
	FASTNERS	105	
REFRIGERATION COMPONENTS	PLATES AND STUD GUARDS	107	  
	FILTER DRIERS	109	  
	COPPER TUBING	110	
	ACCESS FITTINGS	110	
	PIERCING VALVE & TOOLS	113	
PLUMBING PRODUCTS	CEMENTS	115	  
	HOSE CLAMPS	118	
	PIPE SUPPORT	119	
CHEMICALS	WELDING BOND	123	  
	LEAK DETECTORS	123	
	INSECT REPELLENT	123	
	THREAD JOINT SEALANT	124	
	BRAZING CHEMICAL MATERIAL	124	

EQUIPMENT PADS

BLOW PLASTIC EQUIPMENT PADS

- Lightweight, durable, and exceptionally strong.
- Textured top surface to reduce slippage.
- Concrete gray color / black color.
- Unaffected by uv exposure or extreme weather.

Item No.	Specifications	U/M	Std. Pkg.
18041	24" x 24" x 2" Gray Plastic Blow Pad	EA	40
18041B	24" x 24" x 2" Black Plastic Blow Pad	EA	40
18042	24" x 24" x 3" Gray Plastic Blow Pad	EA	26
18042B	24" x 24" x 3" Black Plastic Blow Pad	EA	26
18043	30" x 30" x 2" Gray Plastic Blow Pad	EA	28
18043B	30" x 30" x 2" Black Plastic Blow Pad	EA	28
18044	30" x 30" x 3" Gray Plastic Blow Pad	EA	20
18044B	30" x 30" x 3" Black Plastic Blow Pad	EA	20
18045	32" x 32" x 2" Gray Plastic Blow Pad	EA	26
18045B	32" x 32" x 2" Black Plastic Blow Pad	EA	26
18046	32" x 32" x 3" Gray Plastic Blow Pad	EA	17
18046B	32" x 32" x 3" Black Plastic Blow Pad	EA	17
18047	36" x 36" x 2" Gray Plastic Blow Pad	EA	25
18047B	36" x 36" x 2" Black Plastic Blow Pad	EA	25
18048	36" x 36" x 3" Gray Plastic Blow Pad	EA	16
18048B	36" x 36" x 3" Black Plastic Blow Pad	EA	16
18050	18" x 38" x 3" Gray Plastic Blow Pad	EA	52
18050B	18" x 38" x 3" Black Plastic Blow Pad	EA	52

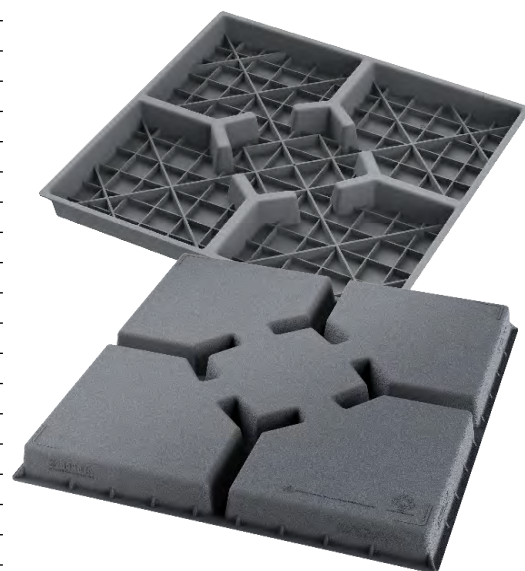


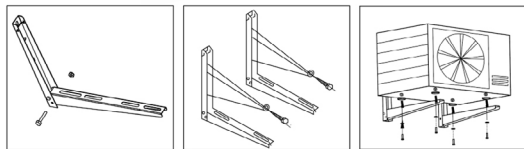
B= Black color
Private label upon request

E-Z STACK PAD NEW

Item No.	Specifications	U/M	Std. Pkg.
18042S	24"X24"X3" E-Z STACK EQUIPMENT PAD, GRAY	EA	68
18042SP	24"X24"X3" E-Z STACK EQUIPMENT PAD, GRAY, 68 PACK	PK	1
18042BS	24"X24"X3" E-Z STACK EQUIPMENT PAD, BLACK	EA	68
18042BSP	24"X24"X3" E-Z STACK EQUIPMENT PAD, BLACK, 68 PACK	PK	1
18044S	30"X30"X3" E-Z STACK EQUIPMENT PAD, GRAY	EA	56
18044SP	30"X30"X3" E-Z STACK EQUIPMENT PAD, GRAY, 56 PACK	PK	1
18044BS	30"X30"X3" E-Z STACK EQUIPMENT PAD, BLACK	EA	56
18044BSP	30"X30"X3" E-Z STACK EQUIPMENT PAD, BLACK, 56 PACK	PK	1
18046S	32"X32"X3" E-Z STACK EQUIPMENT PAD, GRAY	EA	53
18046SP	32"X32"X3" E-Z STACK EQUIPMENT PAD, GRAY, 53 PACK	PK	1
18046BS	32"X32"X3" E-Z STACK EQUIPMENT PAD, BLACK	EA	53
18046BSP	32"X32"X3" E-Z STACK EQUIPMENT PAD, BLACK, 53 PACK	PK	1
18048S	36"X36"X3" E-Z STACK EQUIPMENT PAD, GRAY	EA	45
18048SP	36"X36"X3" E-Z STACK EQUIPMENT PAD, GRAY, 45 PACK	PK	1
18048BS	36"X36"X3" E-Z STACK EQUIPMENT PAD, BLACK	EA	45
18048BSP	36"X36"X3" E-Z STACK EQUIPMENT PAD, BLACK, 45 PACK	PK	1
18049S	40"X40"X3" E-Z STACK EQUIPMENT PAD, GRAY	EA	42
18049SP	40"X40"X3" E-Z STACK EQUIPMENT PAD, GRAY, 42 PACK	PK	1
18049BS	40"X40"X3" E-Z STACK EQUIPMENT PAD, BLACK	EA	42
18049BSP	40"X40"X3" E-Z STACK EQUIPMENT PAD, BLACK, 42 PACK	PK	1
18050S	18"X38"X3" E-Z STACK EQUIPMENT PAD, GRAY	EA	90
18050SP	18"X38"X3" E-Z STACK EQUIPMENT PAD, GRAY, 90 PACK	PK	1
18050BS	18"X38"X3" E-Z STACK EQUIPMENT PAD, BLACK	EA	90
18050BSP	18"X38"X3" E-Z STACK EQUIPMENT PAD, BLACK, 90 PACK	PK	1
18052S	24"X36"X3" E-Z STACK EQUIPMENT PAD, GRAY	EA	57
18052BS	24"X36"X3" E-Z STACK EQUIPMENT PAD, BLACK	EA	57
18070S	24"X48"X3" E-Z STACK EQUIPMENT PAD, GRAY	EA	49
18070SP	24"X48"X3" E-Z STACK EQUIPMENT PAD, GRAY, 49 PACK	PK	1
18070BS	24"X48"X3" E-Z STACK EQUIPMENT PAD, BLACK	EA	49
18070BSP	24"X48"X3" E-Z STACK EQUIPMENT PAD, BLACK, 49 PACK	PK	1
18072S	36"X48"X3" E-Z STACK EQUIPMENT PAD, GRAY	EA	38
18072BS	36"X48"X3" E-Z STACK EQUIPMENT PAD, BLACK	EA	38

- The excellent one-piece structure design makes the bottom surface have more contact with the ground, making the product not easy to sink.
- Sturdy stiffener rib design enables the product to have better load-bearing performance.
- Nestable design reduces storage space and transportation costs.
- The special texture on the surface makes the product have a non-slip effect.
- Hole-free design prevents the equipment from operating normally due to weeds growing upwards.





MOUNTING SUPPLIES

MINI SPLIT BRACKET (TYPE 1)

- Heavy duty steel construction galvanized and electrostatic paints for resistance scratch and corrosion. Galvanized steel plus epoxy-coated finishing, allowing the bracket to endure all climate condition.
- Heavy duty design with L-bracket and horizontal coated with fold-able design. Includes all necessary hardware.
- Use for loading split type air conditioner of outdoor unit. Raises the outdoor unit above floor level protecting it from dirt, snow, debris, flood, corrosion and other perils.
- Easy 2-ways mounting-hard-wares included for your convenience, vibration isolation pads are provided for noise and vibration control purpose.
- Minimizes the chance of damage to the window or outside wall.

Item No.	Specifications	U/M	Std. Pkg.
18023	16-1/2" x 21-3/4" Bracket (3 HP)	PR	10

MINI SPLIT BRACKET (TYPE 2)

- Heavy duty design with L-bracket and horizontal. Accurate construction-advanced technical to ensure brackets are perpendicular to each other when condenser leveling.
- Heavy duty bracket-constructed with heavy duty steel plate, ribbed design to provided extra strength, light weight and sturdy. Equipped with cross bar for stability.
- Includes bubble level and adjustable back support.
- Quick and easy installation, all necessary hardware included.
- Use for supporting condensing units.

Item No.	Specifications	U/M	Std. Pkg.
18024	31" x 15" x 17-3/4" Bracket (2 HP)	PR	6
18025	31-1/2" x 15" x 21-1/2" Bracket (3 HP)	PR	6



WALL MOUNT A/C BRACKETS

- Use for A/C condensers and heat pumps.
- Can be mounted at any height.
- Strong and durable, not easily affected by bad weather.
- Advanced technique to ensure brackets are perpendicular to each other when condenser leveling.
- Reliable rubber vibration for shock absorption and correct distance from the wall for air flow.

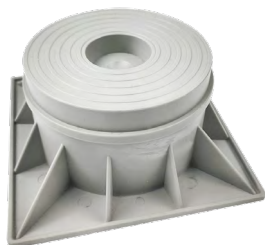
Item No.	Specifications	U/M	Std. Pkg.
18026	30" A/C Bracket (Powder Coated)	PR	48
18027	36" A/C Bracket (Powder Coated)	PR	48
18028	42" A/C Bracket (Powder Coated)	PR	48
18029	48" A/C Bracket (Powder Coated)	PR	48



TWO PIECE CONDENSER RISERS

- Sturdy & Stable.
- Used to elevate the system from the potential threat of rain or snow.
- Extends the life of your condenser or heat pump by allowing the base of the unit to stay dry.
- Butyl mastic on the top and bottom guarantees no slipping and reduced vibration and noise.
- Provides the desired elevation for condensers, heat pumps, and air handlers.

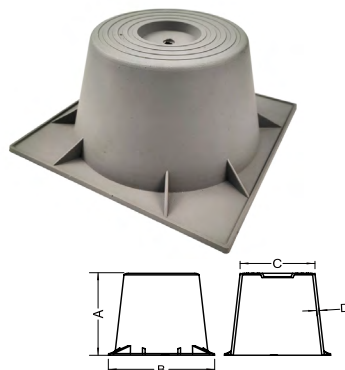
Item No.	Specifications	U/M	Std. Pkg.
18032	3" Gray Two-Piece Heat Pump Stand	EA	4
18033	3" Black Two-Piece Heat Pump Stand	EA	4
18034	6" Gray Two-Piece Heat Pump Stand	EA	4
18035	6" Black Two-Piece Heat Pump Stand	EA	4



ONE PIECE CONDENSER RISERS

- Sturdy & Stable.
- Used to elevate the system from the potential threat of rain or snow.
- Extends the life of your condenser or heat pump by allowing the base of the unit to stay dry.
- Butyl mastic on the top and bottom guarantees no slipping and reduced vibration and noise.
- Provides the desired elevation for condensers, heat pumps, and air handlers.

Item No.	Specifications	A	B	C	D	U/M	Std. Pkg.
18030	3" One-Piece Heat Pump Stand	3.0"	6-1/4"	3-7/8"	3/32"	EA	48
18031	6" One-Piece Heat Pump Stand	6.0"	6-1/4"	3-7/8"	3/32"	EA	36
18040	NEW 12" One-Piece Heat Pump Stand	12.0"	6-1/4"	4-1/4"	9/64"	EA	16



ADJUSTABLE CONDENSER RISERS

- Sturdy & Stable.
- A separate top cap allows for raising or lowering the riser even with equipment already on it.
- Adjustable equipment risers easily adjust up or down as needed to secure equipment at the correct height.
- Used to elevate the system from the potential threat of rain or snow.
- Convenient height markings provided for reference.

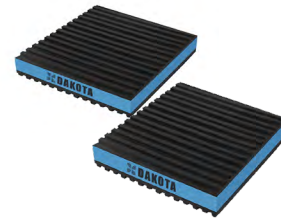
Item No.	Specifications	U/M	Std. Pkg.
18037	6"-7 1/4" Gray Adjustable Pump Riser	EA	4
18038	6"-7 1/4" Black Adjustable Pump Riser	EA	4



HIGH PERFORMANCE PADS

- Made of high strength rubber and blue EVA center material, which is structurally more sound than cork, more effective at vibration dampening than solid rubber.
- Not affected by oil or chemicals.
- Designed to withstand the aging and shock absorption of heavy heat pumps, stereo equipment, treadmills, washing machines and dryers, air compressors, etc.
- Rubber is used as a non-slip surface on the top and bottom of the pad, with good tensile strength and elongation characteristics.
- Indoor or outdoor rated up to 60 PSI load.

Item No.	Specifications	U/M	Std. Pkg.
18301	2" x 2" x 7/8" High Performance Pad	EA	100
18302	3" x 3" x 7/8" High Performance Pad	EA	36
18303	4" x 4" x 7/8" High Performance Pad	EA	24
18304	6" x 6" x 7/8" High Performance Pad	EA	12
18305	18" x 18" x 7/8" High Performance Pad	EA	6



CORK/RUBBER PADS

- Rubber pads with cork sheet, made from high quality elastic materials.
- Cork with ribbed pads on either side for added, have excellent vibration-reducing effect.
- Isolation and positive grip, features alternate rib height for additional vibration isolation under both high and low weight loads.
- Compounded for excellent resistance to aging, compression set and oil.
- Dry indoor applications only.

Item No.	Specifications	U/M	Std. Pkg.
18306	2" x 2" x 7/8" Cork Rubber Pad	EA	100
18307	3" x 3" x 7/8" Cork Rubber Pad	EA	36
18308	4" x 4" x 7/8" Cork Rubber Pad	EA	24
18309	6" x 6" x 7/8" Cork Rubber Pad	EA	12
18310	12" x 12" x 7/8" Cork Rubber Pad	EA	12
18311	18" x 18" x 7/8" Cork Rubber Pad	EA	6



ALL RUBBER PADS

- Made from high quality elastomeric materials, compounded for excellent resistance to aging, compression set & oil.
- Solid ribbed design add the isolation and positive grip.
- Have excellent vibration-reducing effect.
- Solid cross-ribbed design.
- Recommended maximum loading capacity: 50 lbs per square in.

Item No.	Specifications	U/M	Std. Pkg.
18312	2" x 2" x 3/8" All Rubber Pad	EA	48
18313	3" x 3" x 3/8" All Rubber Pad	EA	24
18314	4" x 4" x 3/8" All Rubber Pad	EA	24
18315	6" x 6" x 3/8" All Rubber Pad	EA	24
18316	18" x 18" x 3/8" All Rubber Pad	EA	6





LITTLE RUBBER SQUARES

- High skid-resistance.
- Good load bearing shape for heavier items.
- Won't scratch or stain surfaces.
- Reduces vibration and noise.
- Made of a high strength rubber that is strong enough not to rip.

Item No.	Specifications	U/M	Std. Pkg.
18095	2" x 2" x 1/4" Rubber Square, White	EA	4



WAFFLE SQUARES EQUIPMENT PADS

- Designed to reduce problems in industry caused by structure born vibrations and noise very thick and very durable.
- Have excellent vibration-reducing effect.
- All rubber waffle type, not affected by oils and most chemicals.
- Compounded for excellent resistance to aging, compression set and oil.
- Designed for indoor and outdoor applications, can be cut with a multipurpose knife.

Item No.	Specifications	U/M	Std. Pkg.
18317	2" x 2" x 3/4" Waffle Square Rubber AV Pad	EA	200
18318	4" x 4" x 3/4" Waffle Square Rubber AV Pad	EA	24
18319	18" x 18" x 3/4" Waffle Square Rubber AV Pad	EA	5



FURNACE MOUNTING BLOCK NEW

- The furnace block raises the furnace approximately 2 inches and includes an anti vibration pad to reduce noise and vibration.
- Each furnace block can support over 500 pounds.
- Its unique wedge shape and integrated lip around top edge insure quick and accurate placement on each corner of the furnace.
- Easy peel and stick attachment method, not tools needed.

Item No.	Specifications	U/M	Std. Pkg.
18060	Furnace Mounting Block	EA	1

DRAIN PANS

PLASTIC CONDENSATE DRAIN PANS

- Help collect condensate from air conditioners and heating devices.
- The ribs at the bottom of the tray increase strength and heighten the parts, keeping them away from trapped liquid.
- Durable and easy to store.
- No seams, no rust, and no leakage.
- Rolled edges are designed to be easy on the hands.



LS - Drain fitting at Long Side
SS - Drain fitting at Short Side

Item No.	Specifications	U/M	Std. Pkg.
18001	24" x 24" Bottom, 26" x 26" Overall, Drain: S	EA	5
18002	27" x 29" Bottom, 29" x 31" Overall, Drain: LS	EA	5
18003	27" x 29" Bottom, 29" x 31" Overall, Drain: SS	EA	5
18004	27" x 39" Bottom, 29" x 41" Overall, Drain: LS	EA	5
18005	27" x 39" Bottom, 29" x 41" Overall, Drain: SS	EA	5
18006	27" x 48" Bottom, 29" x 50" Overall, Drain: LS	EA	5
18007	27" x 48" Bottom, 29" x 50" Overall, Drain: SS	EA	5
18008	27" x 63" Bottom, 29" x 65" Overall, Drain: LS	EA	5
18009	27" x 63" Bottom, 29" x 65" Overall, Drain: SS	EA	5
18010	30" x 30" Bottom, 32" x 32" Overall, Drain: S	EA	5
18011	30" x 50" Bottom, 32" x 52" Overall, Drain: LS	EA	5
18012	30" x 50" Bottom, 32" x 52" Overall, Drain: SS	EA	5
18013	30" x 60" Bottom, 32" x 62" Overall, Drain: LS	EA	5
18014	30" x 60" Bottom, 32" x 62" Overall, Drain: SS	EA	5
18015	32" x 63" Bottom, 34" x 65" Overall, Drain: LS	EA	5
18016	32" x 63" Bottom, 34" x 65" Overall, Drain: SS	EA	5
18017	36" x 36" Bottom, 38" x 38" Overall, Drain: S	EA	5
18018	36" x 60" Bottom, 38" x 62" Overall, Drain: LS	EA	5
18019	36" x 60" Bottom, 38" x 62" Overall, Drain: SS	EA	5

ALUMINUM WATER HEATER DRAIN PANS

- Protects against water damage caused by leaking water heater.
- Rolled edges to avoid cuts and scrapes.

Item No.	Specifications	U/M	Std. Pkg.
18061	20" Aluminum Water Heater Drain Pan, 20GA	EA	5
18062	22" Aluminum Water Heater Drain Pan, 20GA	EA	5
18063	24" Aluminum Water Heater Drain Pan, 20GA	EA	5
18064	26" Aluminum Water Heater Drain Pan, 20GA	EA	5
18065	28" Aluminum Water Heater Drain Pan, 20GA	EA	5
18066	30" Aluminum Water Heater Drain Pan, 20GA	EA	5



PLASTIC WATER HEATER DRAIN PANS

- Durable plastic pan will not rust, corrode or crack.
- Pre cut side opening for drain fitting.

Item No.	Specifications	U/M	Std. Pkg.
18081	20" Plastic Water Heater Drain Pan, 0.05" Thickness	EA	5
18082	22" Plastic Water Heater Drain Pan, 0.05" Thickness	EA	5
18083	24" Plastic Water Heater Drain Pan, 0.05" Thickness	EA	5
18084	26" Plastic Water Heater Drain Pan, 0.05" Thickness	EA	5
18085	28" Plastic Water Heater Drain Pan, 0.05" Thickness	EA	5
18086	30" Plastic Water Heater Drain Pan, 0.05" Thickness	EA	5



DRAIN PAN NUTS

DRAIN PAN FITTINGS

- Fits most drain pans.
- Designed to prevent leaks.
- Easy flexible installation.

Item No.	Specifications	U/M	Std. Pkg.
18088	3/4" Drain Pan Fitting W/Metal Nut	EA	25
18089	1" Drain Pan Fitting W/Metal Nut	EA	10



RUBBER "O" RING

- Black NBR washer which has good elasticity, restorative, performance.
- Easy installation for drain pan.
- The rubber material is soft enough to provide good sealing.
- Soft and flexible, easy to install.

Item No.	Specifications	U/M	Std. Pkg.
18021	Black Nbr Washer, 1000/PK	PK	1



STRUT & ACCESSORIES

STRUT CHANNELS

14 GAUGE METAL FRAMING CHANNELS

- High quality steel.
- Easy assembling, easy operation, bearing and tightly.

Item No.	Specifications	U/M	Std. Pkg.
18901	1-5/8 x 1-5/8 x 10' Half Slot Channel 14GA	FT	10
18902	1-5/8 x 13/16 x 10' Half Slot Channel 14GA	FT	10

12 GAUGE METAL FRAMING CHANNELS

- High quality steel.
- Easy assembling, easy operation, bearing and tightly.

Item No.	Specifications	U/M	Std. Pkg.
18903	1-5/8 x 1-5/8 x 10' Half Slot Channel 12GA	FT	10





C-CLAMPS

JUNIOR TOP BEAM C-CLAMPS

- Black malleable iron with galvanized surface.
- Designed to attach hanger rod to the top flange of a beam or bar joist where flange thickness does not exceed 5/8".

Item No.	Specifications	U/M	Std. Pkg.
18905	3/8" Rod Blk JR. TOP Beam C-Clamp	EA	10
18925	1/2" Rod Blk JR. TOP Beam C-Clamp	EA	10

TOP BEAM C-CLAMPS

- Black malleable iron with galvanized surface.
- Designed to attach hanger rod to the top flange of a beam or bar joist.

Item No.	Specifications	U/M	Std. Pkg.
18906	3/8" Rod BLK Wide Mouth Top Beam C-Clamp	EA	10
18926	1/2" Rod BLK Wide Mouth Top Beam C-Clamp	EA	10



REGULAR SPRING NUT

- For all "A" series channel & inserts.
- Galvanised steel clamping channel nut with regular spring.
- Constructed using premium quality stainless steel material, these spring nuts are extremely durable with high strength and are built to last for a lifetime.
- Threaded center hole.
- Provide a quick and easy way to hang or mount multiple products.

Item No.	Specifications	U/M	Std. Pkg.
18904	3/8" Regular Spring Nut, 100/PK	EA	1
18924	1/2" Regular Spring Nut, 100/PK	PK	1



STRUT HARDWARE

- Galvanised steel clamping channel nut with regular spring.

Item No.	Specifications	U/M	Std. Pkg.
18907	3/8 x 1" Bolt 50/PK	PK	1
18908	3/8" Flat Washer, 100/PK	PK	1
18909	3/8" Hex Nut, 100/PK	PK	1
18910	3/8" Flat Fastener, 100/PK	PK	1



HANGER ROD

- Continuous threaded.

Item No.	Specifications	U/M	Std. Pkg.
18918	3/8 x 10' Hanger Threaded Rod	FT	25
18923	1/2 x 10' Hanger Threaded Rod	FT	12
18927	3/8" x 6' Hanger Thread Rod	EA	25

CUSHION CLAMPS

- Features a unique shoulder stud which is securely fashioned to one clamp half.
- A cushion covering the clamp reduces vibration and wear from clamp edges.
- Resist most fuels, oils, gases, greases, solvents, mineral acids & other harsh materials.
- Provide fast and simple installation.
- Working temperature range -60°F to 275°F.

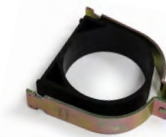
Item No.	Specifications	U/M	Std. Pkg.
18911	1/4" Cushion Clamp	EA	200
18912	3/8" Cushion Clamp	EA	200
18913	1/2" Cushion Clamp	EA	150
18914	5/8" Cushion Clamp	EA	150
18915	3/4" Cushion Clamp	EA	125
18916	7/8" Cushion Clamp	EA	100
18917	1-1/8" Cushion Clamp	EA	100
18919	1-3/8" Cushion Clamp	EA	75
18920	1-5/8" Cushion Clamp	EA	60
18921	1-7/8" Cushion Clamp	EA	50
18922	2-1/8" Cushion Clamp	EA	40



18920



18921



18922

CAULKING & SEALANTS

SILICONE SEALANTS

- Low odor.
- Excellent waterproof seal, providing a reliable seal in areas prone to consistent water exposure.
- Will not discolor most high-end metal finishes like chrome, bronze and nickel.
- Insulates thermally and electrically.
- Excellent flexibility & strong adhesion, provides a flexible, durable seal for both exterior and interior projects.

Item No.	Specifications	U/M	Std. Pkg.
15201	Silicone Sealant, 10.1 Oz Clear	EA	12
15202	Silicone Sealant, 10.1 Oz White	EA	12
15203	Silicone Sealant, 10.1 Oz Aluminum	EA	12
15204	Hi-Temp Silicone Sealant, 10.1 Oz Red	EA	12



WATER BASED DUCT SEALANT

- UL 181 B-M Certified.
- Non-flammable, with permanent flexibility, excellent water resistance and excellent sealing strength.
- High quality, fiber reinforced.
- Use on high & low velocity duct systems.
- Premium grade.

Item No.	Specifications	U/M	Std. Pkg.
15220	Water Based Duct Sealant, 10.1Oz Cartridge	EA	12
15221	Water Based Duct Sealant, 1 Gal	EA	2



EXPANDING FOAM

- Fills large holes, gaps and cracks.
- Insulates and prevents drafts.
- Seals out insects and pests.
- Quick and easy to use.
- Interior/exterior use. Can be sanded, painted or stained.

Item No.	Specifications	U/M	Std. Pkg.
15241	Small Gaps & Cracks Expanding Foam, 12 Oz	EA	12
15242	Small Gaps & Cracks Expanding Foam, 20 Oz	EA	12
15243	Large Gaps & Cracks Expanding Foam, 12 Oz	EA	12
15244	Large Gaps & Cracks Expanding Foam, 20 Oz	EA	12



15241

15242

15243

15244



SEALING COMPOUND

- Non-hardening putty for larger sealing jobs
- For plugging openings through foundations
- For plugging refrigeration tube entry

Item No.	Specifications	U/M	Std. Pkg.
42650	Sealing Compound, 1/2 Lb Pack	EA	50
42651	Sealing Compound, 1 Lb Pack	EA	24
42652	Sealing Compound, 2 Lb Pack	EA	20



CAULKING CORD

- Excellent seal. Seal leaky ducts and conduits.
- Non-conducting, non-deteriorating and non-toxic. Presses into place with fingertips.
- Non-hardening. For large plugging jobs.
- Shuts out hot air, dust, dirt and insects.
- Malleable non-conductive compound for sealing of electrical raceway connections from air, noise and moisture.

Item No.	Specifications	U/M	Std. Pkg.
42654	3/16" x 100' Caulking Cord, Sealing Compound	EA	12
42655	3/8" x 25' Caulking Cord, Sealing Compound	EA	12



CORK INSULATION TAPE

- Use on hot or cold pipes.
- Stops dripping caused by pipe condensation.
- Adheres to metal and will not crack or dry out.
- The material retains its flexibility and adhesion after prolonged exposure to UV and over a large temperature range.
- It is sufficiently soft and pliable to be molded around most fittings and connections.

Item No.	Specifications	U/M	Std. Pkg.
42658	1/8" x 2" x 30' Roll Black Cork Insulation Tape	RL	10



CONDENSATE REMOVAL PUMP

- High startup safety. Two terminals are provided allowing the installer flexibility to connect air-handler shut-down.
- Fully automatic, easy installation. Utilizing the same great features but in a low-height design, is great for tight spaces.
- Shaft seal with long service life and low friction loss.
- Float switch can be integrated.
- Reversible tank cover with 3 inlet drain holes for flexible installation.

Item No.	Specifications	U/M	Std. Pkg.
18221	115V, 1/2 Gal, 1/50 Hp, 15' Max Lift W/Switch	EA	1
18222	115V, 1/2 Gal, 1/50 Hp, 20' Max Lift W/Switch	EA	1
18231	230V, 1/2 Gal, 1/50 Hp, 17' Max Lift W/Switch	EA	1

STRAPS

P.P. WEBBING HANGER STRAPS

- Available in black & silver.
- Use for hanging flexible ducting and so on.
- High strength, fine texture & dyeing uniformity.
- Includes all fittings will need to install the vent.
- Premium utility webbing, this strapping is flexible and durable, a top choice for outdoor use.

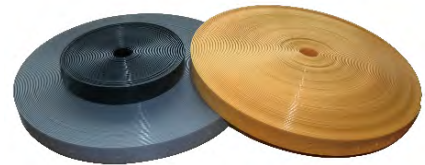
Item No.	Specifications	U/M	Std. Pkg.
18622	1 3/4" P.P. Black Webbing Strap 100Yd	RL	24
18628	3" P.P. Black Webbing Strap 100Yd	RL	8
18632	1 3/4" x 100Yd P.P. Webbing Strap, Silver	RL	24
18633	3" P.P. Silver Webbing Strap 100Yd	RL	8



PLASTIC HANGING STRAPS

- 1/8-inch hole with 1-in spaced.
- Strengthen Polypropylene material.
- Non-Corrosive, Non-Conductive.
- Ideal for pipe hanging less than 20lbs.
- Easy cut to custom length.

Item No.	Specifications	U/M	Std. Pkg.
18639	3/4" x 100' Plastic Hanging Strap, Gray	RL	20
18640	3/4" x 100' Plastic Hanging Strap, Yellow	RL	20
21010	3/4" x 10' Plastic Hanging Strap, Gray	RL	200
21011	3/4" x 25' Plastic Hanging Strap, Gray	RL	80
21012	3/4" x 50' Plastic Hanging Strap, Gray	RL	40
21013	3/4" x 10' Plastic Hanging Strap, Black	RL	200
21014	3/4" x 25' Plastic Hanging Strap, Black	RL	80
21015	3/4" x 50' Plastic Hanging Strap, Black	RL	40



METAL DUCT STRAPS

- Easy to drill or nail.
- Galvanized steel for hanging flexible ducting.
- Cardboard dispenser box.
- Sturdy and durable.

Item No.	Specifications	U/M	Std. Pkg.
18634	1" x 100' 30G Metal Duct Strap	RL	10
18635	1" x 100' 26G Metal Duct Strap	RL	5
18636	1" x 100' 24G Metal Duct Strap	RL	5
18637	1-1/2" x 100' 30G Metal Duct Strap	RL	5
18638	1-1/2" x 100' 26G Metal Duct Strap	RL	5
18644	1" x 100' 22GA Metal Duct Strap	RL	1



PLUMBER'S TAPES

- Easy to use.
- Cut the straps to the desired length, secure hanger strap with nail or screw to joist or stud member.
- Metal duct hanging straps with holes.
- Galvanized steel with alternating nail & bolt holes.
- Wear gloves and eye protection when handling metal hanger strap to avoid injury.

Item No.	Specifications	U/M	Std. Pkg.
18641	3/4" x 10' 28GA Metal Duct Strap W/Holes	RL	50
18642	3/4" x 50' 28GA Metal Duct Strap W/Holes	RL	10
18643	3/4" x 100' 28GA Metal Duct Strap W/Holes	RL	5





NYLON HANGING STRAPS

- High quality and durable.
- Excellent tensile strength.

Item No.	Specifications	U/M	Std. Pkg.
21001	60" Nylon Hanging Strap	EA	24
42550	31" Nylon Hanging Strap	EA	24



NYLON FLEX-DUCT STRAPS

- Durable, heat-resistant and UV-resistant for long life.
- UL Listed, meets industry standards and can be used in a variety of applications.
- Easy to use, and easy to carry. Special tip design ensures easy insertion, obvious locking teeth provide a strong lock.
- Non-return design. Self-locking and fastening, the obvious locking teeth and ratchet mechanism stop it going back.
- Strong and soft nylon material with strong fixability.

Item No.	Specifications	U/M	Std. Pkg.
18650	24" Nylon Flex-Duct Strap for 6" Duct, Natural	EA	50
18651	36" Nylon Flex-Duct Strap for 10" Duct, Natural	EA	50
18652	48" Nylon Flex-Duct Strap for 14" Duct, Natural	EA	50
18655	24" Nylon Flex-Duct Strap for 6" Duct, Black	EA	50
18656	36" Nylon Flex-Duct Strap for 10" Duct, Black	EA	50
18657	48" Nylon Flex-Duct Strap for 14" Duct, Black	EA	50



DUCT BRACKETS

SELF NAILING DUCT BRACKET

- Galvanized.
- Adjustable.
- Self nailing.

Item No.	Specifications	U/M	Std. Pkg.
21110	Self Nailing Duct Bracket 12" - 19"	EA	25
21111	Self Nailing Duct Bracket 19" - 26"	EA	25



SCREW TAB DUCT BRACKET

- Galvanized.
- Adjustable.

Item No.	Specifications	U/M	Std. Pkg.
21112	Screw Tab Duct Bracket 12" - 19"	EA	25
21113	Screw Tab Duct Bracket 19" - 26"	EA	25



ROUND DUCT HANGER

- Galvanized.
- Adjustable.

Item No.	Specifications	U/M	Std. Pkg.
21114	Round Duct Hanger 5" - 6" Duct	EA	50



SQUARE DUCT HANGER

- For standard supply & return runs.
- 18 gauge galvanized steel.

Item No.	Specifications	U/M	Std. Pkg.
21115	Square Duct Hanger 8" Square	EA	100
21116	Square Duct Hanger 9" Square	EA	100
21117	Square Duct Hanger 10" Square	EA	100
21118	Square Duct Hanger 11" Square	EA	100

LOUVER & DIFFUSER

POLYESTER AIR FILTERS

- High quality filtration.
- Precise fiber blending.
- Easy to cut with scissors to any size needed.
- High dust retention.

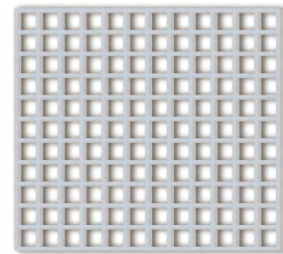
Item No.	Specifications	U/M	Std. Pkg.
42620	Polyester Air Filter 25" x 36" x 1"	EA	12
42621	Polyester Air Filter 16" x 20" x 1"	EA	12
42622	Polyester Air Filter 16" x 25" x 1"	EA	12
42623	Polyester Air Filter 20" x 20" x 1"	EA	12
42624	Polyester Air Filter 20" x 25" x 1"	EA	12
42625	Polyester Air Filter 20" x 30" x 1"	EA	12



EGG CRATE LOUVERS

- Egg crate design.
- Highly durable.
- 1/2" open grid.

Item No.	Specifications	U/M	Std. Pkg.
42640	3/8" x 2' x 4' Plastic Louver, 1/2" Open Grid	EA	15
42642	1/2" x 2' x 4' Plastic Louver, 1/2" Open Grid	EA	10
42644	1/2" x 2' x 2' Plastic Louver, 1/2" Open Grid	EA	20



ROOF FLASHINGS

PLASTIC ROOF FLASHINGS

- Thermoplastic hard base with elastomer collar.
- Resistant to ultraviolet rays, cracking or weathering.

Item No.	Specifications	U/M	Std. Pkg.
24001	1 1/2" Plastic Flashing, Base: 9" x 11 3/8"	EA	20
24002	2" Plastic Flashing, Base: 9" x 11 1/4"	EA	20
24003	3" Plastic Flashing, Base: 9 7/8" x 13 1/8"	EA	20
24004	4" Plastic Flashing, Base: 11 3/8" x 13 3/4"	EA	20



MUTI-SIZE PLASTIC BASE ROOF FLASHINGS

- Thermoplastic hard base with elastomer collar.
- Resistant to ultraviolet rays, cracking or weathering.

Item No.	Specifications	U/M	Std. Pkg.
24005	1 1/2" - 3" Plastic Flashing, Base: 10 3/4" x 13 1/2"	EA	20
24006	3" - 4" Plastic Flashing, Base: 12" x 15 1/2"	EA	20



GALVANIZED ROOF FLASHINGS

- Galvanized steel base with elastomer collar.
- Resistant to ultraviolet rays, cracking or weathering.

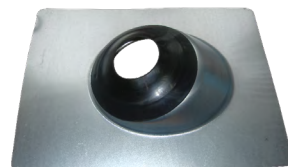
Item No.	Specifications	U/M	Std. Pkg.
24021	1 1/2" Galvanized Flashing, Base: 9" x 12 1/4"	EA	20
24022	2" Galvanized Flashing, Base: 8 3/4" x 12 1/4"	EA	20
24023	3" Galvanized Flashing, Base: 10 3/4" x 14 1/2"	EA	20
24024	4" Galvanized Flashing, Base: 12" x 16"	EA	20



MUTI-SIZE GALVANIZED BASE ROOF FLASHINGS

- Galvanized steel base with elastomer collar.
- Resistant to ultraviolet rays, cracking or weathering.

Item No.	Specifications	U/M	Std. Pkg.
24025	1 1/2" - 3" Galvanized Flashing, Base: 10 3/4" x 14 1/2"	EA	20
24026	3" - 4" Galvanized Flashing, Base: 12" x 16"	EA	20





 **MADE IN USA**

MasterFlash® UNIVERSAL PIPE FLASHINGS

- Made of EPDM with a flexible aluminum alloy base.
- Marked with dimensions to allow for easy sizing to fit each individual application.
- Simple solution to flashing a penetration through a metal roof.
- Resistant to ultraviolet rays, cracking or weathering.

Item No.	Specifications	U/M	Std. Pkg.
24031	1/4" - 2 1/4" Epdm Round Base Pipe Flashing	EA	15
24032	1 3/4" - 3" Epdm Round Base Pipe Flashing	EA	15
24033	1/4" - 5" Epdm Round Base Pipe Flashing	EA	15
24034	3" - 6 1/4" Epdm Round Base Pipe Flashing	EA	10
24035	4 1/4" - 7 3/4" Epdm Round Base Pipe Flashing	EA	10
24036	5" - 9" Epdm Round Base Pipe Flashing	EA	10
24037	6" - 11" Epdm Round Base Pipe Flashing	EA	10
24038	7" - 13" Epdm Round Base Pipe Flashing	EA	5
24039	9" - 19" Epdm Round Base Pipe Flashing	EA	5

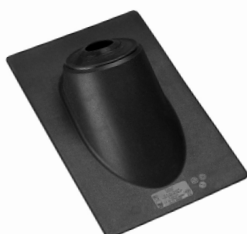


 **MADE IN USA**

MasterFlash® HIGH TEMPERATURE PIPE FLASHINGS

- Made of orange silicone with a flexible aluminum alloy base.
- Marked with dimensions to allow for easy sizing to fit each individual application.
- Simple solution to flashing a penetration through a metal roof.
- High temperature resistant.

Item No.	Specifications	U/M	Std. Pkg.
24041	1/4" - 5" Hi-Temperature Round Pipe Flashing, Red	EA	15
24042	4 1/4" - 7 3/4" Hi-Temperature Round Pipe Flashing, Red	EA	10
24043	7" - 13" Hi-Temperature Round Pipe Flashing, Red	EA	5
24044	9" - 19" Hi-Temperature Round Pipe Flashing, Red	EA	5



HIGHRISE FLASHING

- Non-fading, non-cracking rigid black thermoplastic base.
- Non-fading sealing collar.
- Roof flashing slides over pipe for pitch 10° to 60°.
- Rated 180° continuous heat.
- Not for hot-mopped or built-up roofs.
- Approved for Type B installation.

Item No.	Specifications	U/M	Std. Pkg.
24051	1 1/2" - 3" Highrise Flashing	EA	6
24052	3" - 4" Highrise Flashing	EA	6



GALVANIZED NO-CAULK FLASHING

- Approved for type B installations.
- UPC, SBCCI & BOCA Listed.
- Not for hot-mopped or built up roofs.
- Slides over pipe for pitch to 40°.
- Non-fading seal ring. Anti-rust, stamping galvanized.
- Rated for 180°F continuous heat.

Item No.	Specifications	U/M	Std. Pkg.
24055	1/2" - 3/4" - 1" Galvanized No-Caulk Flashing	EA	12
24056	1 1/4" - 1 1/2" Galvanized No-Caulk Flashing	EA	12
24057	2" Galvanized No-Caulk Flashing	EA	12
24058	3" Galvanized No-Caulk Flashing	EA	12
24059	4" Galvanized No-Caulk Flashing	EA	12

MasterFlash® MULTI FLASH

- Marked with dimensions to allow for easy sizing to fit each individual application.
- Aluminum panel allows the pipe boot flashing to conform to any panel. configuration and/or roof pitch.
- Made of EPDM specially compounded to be resistant to ultraviolet rays, cracking & weathering.

Item No.	Specifications	U/M	Std. Pkg.
24062	7/8" - 4" Epdm Multi Flash Pipe Flashing, Square Base	EA	8
24063	1/4" - 5 3/4" Epdm Multi Flash Pipe Flashing, Square Base	EA	8
24064	2 3/4" - 7" Epdm Multi Flash Pipe Flashing, Square Base	EA	8
24065	4" - 8 1/4" Epdm Multi Flash Pipe Flashing, Square Base	EA	8
24066	4 3/4" - 10" Epdm Multi Flash Pipe Flashing, Square Base	EA	5
24067	5 1/2" - 11 1/2" Epdm Multi Flash Pipe Flashing, Square Base	EA	5
24068	6 3/4" - 13 1/2" Epdm Multi Flash Pipe Flashing, Square Base	EA	5
24069	9 1/2" - 20 1/2" Epdm Multi Flash Pipe Flashing, Square Base	EA	5
24070	12" - 20 1/2" Epdm Maxi Multi Flash Pipe Flashing, Square Base	EA	5


MADE IN USA
MasterFlash® ELECTRICAL MAST CONNECTION

- Comes with single stainless steel gripper to hold the seal in place.
- Made of a black EPDM specially compounded to be resistant to ultraviolet rays, cracking & weathering.

Item No.	Specifications	U/M	Std. Pkg.
24071	0" - 5 3/8" Electrical Mast Connection Pipe Flashing	EA	1


MADE IN USA
MasterFlash® END CAP ROOF FLASHINGS

- Flexible width allows for most panel configuration.
- Expansion feature accommodates all seam heights.

Item No.	Specifications	U/M	Std. Pkg.
24072	#2 Master End Cap	EA	1


MADE IN USA
SMOKE EMITTERS**STANDARD SMOKE EMITTERS**

- Emit a dense, safe, oil-free, non-toxic, clean, low odor smoke.
- Use to test and balance air flows.
- Smoke cartridges are non-explosive.

Item No.	Specifications	U/M	Std. Pkg.
22501	150 Cuft 45 Seconds Burn Time, 10/PK	PK	1
22502	600 Cuft 90 Seconds Burn Time, 10/PK	PK	1
22503	1200 Cuft 3 Min Burn Time, 5/PK	PK	1
22504	2500 Cuft 4 Min Burn Time, 5/PK	PK	1
22507	18,000 Cuft 8 Min Burn Time, Single Pack	PK	1

**SMOKE PENS**

- Dense white smoke for easy viewing of air flow and leaks.
- Great for blower door tests, HVAC balancing, room pressure tests and bump-testing smoke detectors.
- Small, portable, saves your time & money.
- Safe, non-toxic, clean, low odor.

Item No.	Specifications	U/M	Std. Pkg.
22505	Smoke Pen W/6 Wicks Package	PK	1
22506	Smoke Pen Refill Pack	PK	1



VENTILATION PRODUCTS

DUCT FANS

- Portable, lightweight and can be installed anywhere.
- Long service life.
- Operates quietly.



Item No.	Specifications	U/M	Std. Pkg.
22101	4" Duct/Booster Fan, 125V	EA	1
22102	6" Duct/Booster Fan, 125V	EA	1
22103	8" Duct/Booster Fan, 125V	EA	1
22104	10" Duct/Booster Fan, 125V	EA	1
22105	12" Duct/Booster Fan, 125V	EA	1
22106	14" Duct/Booster Fan, 125V 4 Pole	EA	1



- The plug-in duct stat temperature sensitive switch simplifies installation of inline duct fans.
- Automatic on/off for heating/cooling with an adjustable temperature range.
- Mounts on duct or wall.

Item No.	Specifications	U/M	Std. Pkg.
22110	Plug-In Thermostat	EA	1

MOTORIZED DAMPERS

- Low voltage wiring.
- Easy and safe operation.
- Excellent energy-saving performance.



Item No.	Specifications	U/M	Std. Pkg.
22111	6" Motorized Damper	EA	1
22112	8" Motorized Damper	EA	1
22113	10" Motorized Damper	EA	1
22114	12" Motorized Damper	EA	1

UNDER EAVE VENTS

- 2-piece snap in plastic design hides mounting screws.
- Louvers rotatable.
- Includes a screen inside the vent. The panel can be freely detached, very convenient to clean and maintain.
- Complies with UL94-V. The surface is painted. Flame retardant material, fireproof.
- Tabs to hold duct in place.
- Available for wall mounting or ceiling mounting. Stylish design, ideal for room exhaust and ventilation use.



Item No.	Specifications	U/M	Std. Pkg.
22120	4" Under Eave Vent, White	EA	24
22121	4" Under Eave Vent, Brown	EA	24

VERSA CAP MULTI LAYERS VENT CAPS

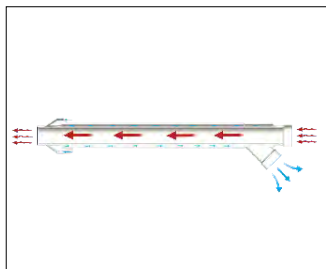
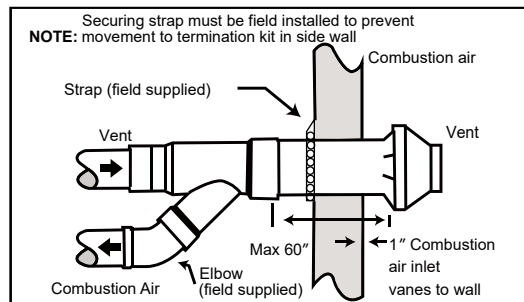
- Adjustable aluminum versa cap.
- Recommended for flue, hot stack or b-vent installations.
- Non-clogging positive draft design.
- For flue or hot stack installation.
- Clamp fitting adjustable for all standard sizes.
- Aluminum model.



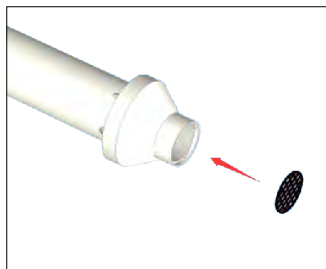
Item No.	Specifications	U/M	Std. Pkg.
22126	2 7/8" - 5" Vent Versa Cap	EA	12
22127	4 7/8" - 7" Vent Versa Cap	EA	12
22128	6 7/8" - 9" Vent Versa Cap	EA	12
22129	8 7/8" - 11" Vent Versa Cap	EA	6
22130	11 7/8" - 14 1/2" Vent Versa Cap	EA	2

CONCENTRIC VENT KITS

- Concentric vent termination kit for water heater.
- These vents save time and money by reducing the amount of work required.
- For horizontal or vertical venting, requires only one hole to be cut rather than two and easy assembly.
- Includes all fittings will need to install the vent.
- Please consult manual to your appliance prior to purchasing this concentric vent kit to ensure that it is compatible with your system and do not use the concentric vent kit for anything.



The concentric design cuts off the incoming fresh air and exhausts smoke. The preferred vertical roof terminal is not easily damaged, reduces the chance of absorbing pollutants, and sees less steam.



New Feature - A 4" vent screen is attached for new 4" Concentric Vent Kit as a accessory. The vent screen is designed to keep birds and leaves from drop into the exhausting pipe. Comply with UL 1738 standard.



Cut only one hole instead of traditionally cutting two holes through roof or side wall for exhaust and intake pipes to complete installation.

CONCENTRIC VENT KITS

Item No.	Specifications	U/M	Std. Pkg.
22152	2" Concentric Vent Kit	EA	1
22153	3" Concentric Vent Kit	EA	1
22154	4" Concentric Vent Kit	EA	1

RAIN CAP FOR CONCENTRIC VENT KIT

Item No.	Specifications	U/M	Std. Pkg.
22157	2" Rain Cap for Concentric Vent Kit	EA	8
22158	3" Rain Cap for Concentric Vent Kit	EA	8
22159	4" Rain Cap for Concentric Vent Kit	EA	8

WYE TEE FOR CONCENTRIC VENT KIT

Item No.	Specifications	U/M	Std. Pkg.
22160	2" Wye Tee for Concentric Vent Kit	EA	8
22161	3" Wye Tee for Concentric Vent Kit	EA	8
22162	4" Wye Tee for Concentric Vent Kit	EA	6

SCREEN FOR CONCENTRIC VENT KIT

Item No.	Specifications	U/M	Std. Pkg.
22165	2" Screen for Concentric Vent Kit	EA	200
22166	3" Screen for Concentric Vent Kit	EA	150
22167	4" Screen for Concentric Vent Kit	EA	100



HORIZONTAL VENT KITS

- Horizontal vent termination kit.
- Use for water heater horizontal venting.
- Strengthen Polypropylene material.
- Non-Corrosive, Non-Conductive.
- Hide exhausting and intake pipes. Avoid exhausting and intake air mixing.

Item No.	Specifications	U/M	Std. Pkg.
22155	2" Horizontal Vent Kit	EA	6
22156	3" Horizontal Vent Kit	EA	6



PLASTIC BATHROOM/KITCHEN VENTING HOOD

- Free swinging louvers.
- UV inhibitor is used to help prevent the premature fading of vent.
- Available in color white and brown.



Item No.	Old Number	Specifications	U/M	Std. Pkg.
22323WS		Plastic Louvered Vent, 3" White, W/Grid, Hood Only	EA	12
22323WSC		Plastic Louvered Vent Kit, 3" White, W/Grid, 11" Rigid Duct, Collar	EA	12
22323WSCK		Plastic Louvered Vent Kit, 3" White, W/Grid, 11" Rigid Duct, Collar, 5' Flex. Duct, Clamp	EA	1
22323W	22323	Plastic Louvered Vent, 3" White, Hood Only	EA	12
22323WC	22319	Plastic Louvered Vent, 3" White, W/11" Rigid Duct, Collar	EA	12
22323WCK		Plastic Louvered Vent, 3" White, W/11" Rigid Duct, Collar, 5' Flex. Duct, Clamps	EA	1
22323BS		Plastic Louvered Vent, 3" Brown, W/Grid, Hood Only	EA	12
22323BSC		Plastic Louvered Vent Kit, 3" Brown, W/Grid, 11" Rigid Duct, Collar	EA	12
22323BSCK		Plastic Louvered Vent Kit, 3" Brown, W/Grid, 11" Rigid Duct, Collar, 5' Flex. Duct, Clamps	EA	1
22323B	22324	Plastic Louvered Vent, 3" Brown, Hood Only	EA	12
22323BC	22320	Plastic Louvered Vent, 3" Brown, W/11" Rigid Duct, Collar	EA	12
22323BCK		Plastic Louvered Vent Kit, 3" Brown, W/11" Rigid Duct, Collar, 5' Flex. Duct, Clamp	EA	1
22324WS		Plastic Louvered Vent, 4" White, W/Grid, Hood Only	EA	12
22324WSC		Plastic Louvered Vent Kit, 4" White, W/Grid, 11" Rigid Duct, Collar	EA	12
22324WSCK		Plastic Louvered Vent Kit, 4" White, W/Grid, 11" Rigid Duct, Collar, 5' Flex. Duct, Clamps	EA	1
22324W	22325	Plastic Louvered Vent, 4" White, Hood Only	EA	12
22324WC	22321	Plastic Louvered Vent Kit, 4" White, W/11" Rigid Duct, Collar	EA	12
22324WCK		Plastic Louvered Vent Kit, 4" White, W/11" Rigid Duct, Collar, 5' Flex. Duct, Clamps	EA	1
22324BS		Plastic Louvered Vent, 4" Brown, W/Grid, Hood Only	EA	12
22324BSC		Plastic Louvered Vent Kit, 4" Brown, W/Grid, 11" Rigid Duct, Collar	EA	12
22324BSCK		Plastic Louvered Vent Kit, 4" Brown, W/Grid, 11" Rigid Duct, Collar, 5' Flex. Duct, Clamps	EA	1
22324B	22326	Plastic Louvered Vent, 4" Brown, Hood Only	EA	12
22324BC	22322	Plastic Louvered Vent Kit, 4" Brown, W/11" Rigid Duct, Collar	EA	12
22324BCK		Plastic Louvered Vent, 4" Brown, W/11" Rigid Duct, Collar, 5' Flex. Duct, Clamps	EA	1
22325WS		Plastic Louvered Vent, 5" White, W/Grid, Hood Only	EA	8
22325WSC		Plastic Louvered Vent Kit, 5" White, W/11" Rigid Duct, Collar	EA	8
22325W	22327	Preferred Vent Kit, 5" White, Face Hood Only	EA	8
22325WC		Plastic Louvered Vent Kit, 5" White, W/11" Rigid Duct, Collar	EA	8
22325BS		Preferred Vent Kit, 5" Brown, W/Grid, Only Hood	EA	8
22325BSC		Plastic Louvered Vent Kit, 5" Brown, W/Grid, 11" Rigid Duct, Collar	EA	8
22325B		Preferred Vent Kit, 5" Brown, Only Hood	EA	8
22325BC		Plastic Louvered Vent Kit, 5" Brown, W/11" Rigid Duct, Collar	EA	8

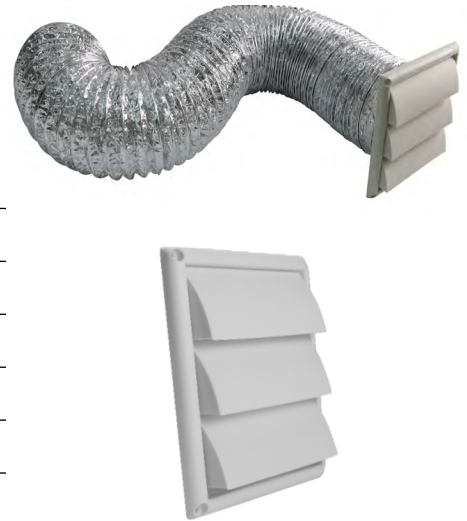
PLASTIC BATHROOM/KITCHEN VENTING HOOD

Item No.	Old Number	Specifications	U/M	Std. Pkg.
22326WS		Plastic Louvered Vent, 6" White W/Grid, Hood Only	EA	8
22326WSC		Plastic Louvered Vent Kit, 6" White W/Grid, 11" Tailpiece, Collar	EA	8
22326W	22329	Plastic Louvered Vent, 6" White, Hood Only	EA	8
22326WC	22330	Plastic Louvered Vent Kit, 6" White, W/Tailpiece, Collar	EA	8
22326BS		Plastic Louvered Vent Kit, 6" Brown, W/Grid, Hood Only	EA	8
22326BSC		Plastic Louvered Vent Kit, 6" Brown, W/Grid, 11" Rigid Duct, Collar	EA	8
22326B	22328	Plastic Louvered Vent, 6" Brown, Hood Only	EA	8
22326BC		Plastic Louvered Vent Kit, 6" Brown, W/11" Rigid Duct, Collar	EA	8

PLASTIC AIR INTAKE LOUVER VENT FACE

- Fixed louvers.
- Metal screen prevents outside elements from entering the vent.
- Available in color white and brown.

Item No.	Old Number	Specifications	U/M	Std. Pkg.
22343W	22334	Air Intake Vent, 3" White, Hood Only	EA	12
22343WC	22340	Air Intake Vent Kit, 3" White, W/11" Rigid Duct, Collar	EA	12
22343B	22333	Air Intake Vent, 3" Brown, Hood Only	EA	12
22343BC	22339	Air Intake Vent Kit, 3" Brown, W/11" Rigid Duct, Collar	EA	12
22344W	22336	Air Intake Vent, 4" White, Hood Only	EA	12
22344WC	22342	Air Intake Vent Kit, 4" White, W/11" Rigid Duct, Collar	EA	12
22344B	22335	Air Intake Vent, 4" Brown, Hood Only	EA	12
22344BC	22341	Air Intake Vent Kit, 4" Brown, W/11" Rigid Duct, Collar	EA	12
22345W	22344	Air Intake Vent Kit, 5" White, Hood Only	EA	8
22345WC		Air Intake Vent Kit, 5" White, W/11" Rigid Duct, Collar	EA	8
22345B	22345	Air Intake Vent Kit, 5" Brown, Hood Only	EA	8
22345BC		Air Intake Vent Kit, 5" Brown, W/11" Rigid Duct, Collar	EA	8
22346W	22338	Air Intake Vent, 6" White, Hood Only	EA	8
22346WC	22343	Air Intake Vent Kit, 6" White, W/11" Rigid Duct, Collar	EA	8
22346B	22337	Air Intake Vent, 6" Brown, Hood Only	EA	8
22346BC		Air Intake Vent Kit, 6" Brown, W/11" Rigid Duct, Collar	EA	8





PLASTIC PREFERRED HOOD

- Aluminum preferred hood vent.
- Highly durable.
- Spring controlled damper.
- Removable screen.
- UV inhibitor is used to help prevent the premature fading of vent.
- Available in color white and brown.

Item No.	Old Number	Specifications	U/M	Std. Pkg.
22383W	22385	Plastic Preferred Vent, 3" White, Hood Only	EA	12
22383B	22386	Plastic Preferred Vent, 3" Brown, Hood Only	EA	12
22384W	22387	Plastic Preferred Vent, 4" White, Hood Only	EA	12
22384B	22388	Plastic Preferred Vent, 4" Brown, Hood Only	EA	12
22383WK	22381	Plastic Preferred Vent Kit, 3" White, W/11" Tailpiece	EA	1
22383BK	22382	Plastic Preferred Vent Kit, 3" Brown, W/11" Tailpiece	EA	1
22384WK	22383	Plastic Preferred Vent Kit, 4" White, W/11" Tailpiece	EA	1
22384BK	22384	Plastic Preferred Vent Kit, 4" Brown, W/11" Tailpiece	EA	1



 **MADE IN USA**

DRYER WALL BOX

- Prevents duct from being crushed.
- Save space.
- Fits between studs.
- Easy to use.

Item No.	Specifications	U/M	Std. Pkg.
22350	12" x 20" Dryer Wall Box	EA	1



 **MADE IN USA**

ALUMINUM PREFERRED HOOD VENTS

- Aluminum preferred hood vent with tail pipe.
- Highly durable.
- Spring controlled damper.

Item No.	Specifications	U/M	Std. Pkg.
22346	3" Aluminum Preferred Hood	EA	1
22347	4" Aluminum Preferred Hood	EA	1
22348	3" Aluminum Preferred Hood, Low Profile	EA	1
22349	4" Aluminum Preferred Hood, Low Profile	EA	1

VENTING DUCT

ALUMINUM RECTANGULAR VENT

- Easy to use.
- Highly durable.
- For use with rigid ductwork.

Item No.	Specifications	U/M	Std. Pkg.
22301	3-1/4" x 10" Rectangular Vent, Aluminum	EA	1



MADE IN USA

PLASTIC RECTANGULAR VENTS

- For use with rigid ductwork.
- UV inhibitor is used to help prevent the premature fading of vent.
- Available in color white, brown and gray.

Item No.	Specifications	U/M	Std. Pkg.
22302	3-1/4" x 10" Rectangular Vent, Plastic White	EA	1
22303	3-1/4" x 10" Rectangular Vent, Plastic Brown	EA	1
22304	3-1/4" x 10" Rectangular Vent, Plastic Gray	EA	1



MADE IN USA

ALUMINUM WALL CAPS

- Easy and convenient use.
- Highly durable.
- Spring controlled damper.

Item No.	Specifications	U/M	Std. Pkg.
22305	5" Aluminum Wall Cap	EA	1
22306	6" Aluminum Wall Cap	EA	1
22307	7" Aluminum Wall Cap	EA	1



MADE IN USA

PLASTIC WALL CAPS

- Screen prevents birds from nesting inside of vent.
- UV inhibitor is used to help prevent the premature fading of vent.
- Available in color white and gray.

Item No.	Specifications	U/M	Std. Pkg.
22308	5" Plastic Wall Mount Cap, Gray	EA	1
22309	5" Plastic Wall Mount Cap, White	EA	1
22310	6" Plastic Wall Mount Cap, Gray	EA	1
22311	6" Plastic Wall Mount Cap, White	EA	1
22312	7" Plastic Wall Mount Cap, White	EA	1
22313	8" Plastic Wall Mount Cap, Gray	EA	1
22314	8" Plastic Wall Mount Cap, White	EA	1



MADE IN USA

ALUMINUM DRYER DUCTS

- Easy and convenient use.
- Highly durable.
- 26 gauge aluminum.

Item No.	Specifications	U/M	Std. Pkg.
22315	90° Aluminum Dryer Duct, 18" - 30"	EA	1
22316	90° Aluminum Dryer Duct, 24" - 41"	EA	1
22317	Straight Aluminum Dryer Duct, 18" - 30"	EA	1
22318	90° To Straight Aluminum Dryer Duct, 24" - 41"	EA	1



MADE IN USA

**VINYL DUCT**

- Do not use for high temperature venting applications.
- Highly durable.
- Flexible white vinyl duct.

Item No.	Specifications	U/M	Std. Pkg.
22351	3" x 8' Vinyl Duct	EA	1
22352	3" x 20' Vinyl Duct	EA	1
22353	3" x 50' Vinyl Duct	EA	1
22354	4" x 8' Vinyl Duct	EA	1
22355	4" x 20' Vinyl Duct	EA	1
22356	4" x 50' Vinyl Duct	EA	1

**LamaFlex® METALLIZED DUCT - UL LISTED**

- UL 181 Listed and labeled.
- Laminated foil design for easier installation.
- Highly durable.

Item No.	Specifications	U/M	Std. Pkg.
22366	3" x 25' #400 Lamaflex Duct, UL	EA	1
22367	4" x 25' #400 Lamaflex Duct, UL	EA	1
22368	6" x 25' #400 Lamaflex Duct, UL	EA	1

**SEMI-RIGID DUCT**

- Flexible semi-rigid aluminum duct.
- Continuous airtight lock-seam.
- Non-combustible.

Item No.	Specifications	U/M	Std. Pkg.
22357	3" x 8' Semi-Rigid Duct	EA	1
22358	3" x 25' Semi-Rigid Duct	EA	1
22359	4" x 8' Semi-Rigid Duct	EA	1
22360	4" x 25' Semi-Rigid Duct	EA	1
22361	5" x 8' Semi-Rigid Duct	EA	1
22362	6" x 8' Semi-Rigid Duct	EA	1
22363	7" x 8' Semi-Rigid Duct	EA	1
22364	8" x 8' Semi-Rigid Duct	EA	1
22365	10" x 8' Semi-Rigid Duct	EA	1
22390	4" x 8' Semi-Rigid Duct, UL Listed	EA	1

**LamaFlex® METALLIZED DUCT - UL 2158A**

- UL 2158A listed.
- Flexible laminated foil design for easier installation.
- Ideal for both gas and electric dryer installations.

Item No.	Specifications	U/M	Std. Pkg.
22369	4" x 5' Metallized Transition Duct, UL	EA	1
22370	4" x 8' Metallized Transition Duct, UL	EA	1

**ALUMINUM FOIL DUCT**

- Easy to install.
- High-quality flame-retardant aluminum and stainless steel clamps, which are high temperature resistant, corrosion resistant, long lasting and rustproof.
- Use the flexible duct for your different ventilation needs, whether it be for residential or commercial use.

Item No.	Specifications	U/M	Std. Pkg.
22391	3" X 25' Aluminum Foil Duct	EA	1
22392	4" X 25' Aluminum Foil Duct	EA	1
22393	5" X 25' Aluminum Foil Duct	EA	1
22394	6" X 25' Aluminum Foil Duct	EA	1

METAL WORM GEAR CLAMPS

- Made up of zinc plated steel.
- Design allows for easy-to-tighten convenience.
- Easy to use.
- Highly durable.

Item No.	Specifications	U/M	Std. Pkg.
22374	3" Metal Worm Gear Clamp	EA	1
22375	4" Metal Worm Gear Clamp	EA	1
22376	5" Metal Worm Gear Clamp	EA	1
22377	6" Metal Worm Gear Clamp	EA	1
22378	7" Metal Worm Gear Clamp	EA	1



METAL TENSION CLAMP

- Design with an easy-to-use pressure mechanism for use in various applications.
- For use without any tools on non-rigid flexible ducts.
- Highly durable.

Item No.	Specifications	U/M	Std. Pkg.
22380	4" Metal Tension Clamp	EA	1



PLASTIC ROOF VENT CAP

- For shingle roof installations only.
- Screen prevents birds from nesting inside of vent designed to prevent leaks with proper installation.
- Easy to use.

Item No.	Specifications	U/M	Std. Pkg.
22389	Plastic Roof Vent Cap	EA	1



BLADE SPACING REGISTER

SIDE WALL-CEILING DIFFUSERS

- Stamped aluminum construction.
- Multi-shutter damper with easy handle to adjust desired amount of air flow.
- 1/2-inch spaced fins, two-way air deflection.
- Durable white finish.
- For sidewall or ceiling application.

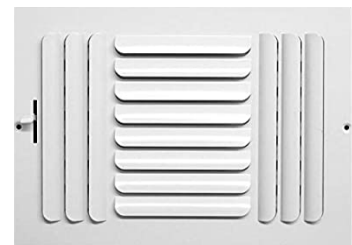
Item No.	Specifications	U/M	Std. Pkg.
A021004	10" x 4" Stamped Side Wall 2-Way Diffuser, White	EA	40
A021006	10" x 6" Stamped Side Wall 2-Way Diffuser, White	EA	20
A021204	12" x 4" Stamped Side Wall 2-Way Diffuser, White	EA	20
A021206	12" x 6" Stamped Side Wall 2-Way Diffuser, White	EA	20
A021406	14" x 6" Stamped Side Wall 2-Way Diffuser, White	EA	20
A021408	14" x 8" Stamped Side Wall 2-Way Diffuser, White	EA	10



1" SPACING CURVED BLADE

- Steel construction for sidewall or ceiling application.
- Three-way air deflection with multi-shutter damper.
- Multi-shutter damper with easy handle to adjust desired amount of air flow.
- Adjustable curved blades increase deflection control.
- Dual-coating. Available finish: White.

Item No.	Specifications	U/M	Std. Pkg.
A040804	8" x 4" 3-Way Stamped 1" Curved Blade Spacing Register	EA	40
A041006	10" x 6" 3-Way Stamped 1" Curved Blade Spacing Register	EA	20
A041206	12" x 6" 3-Way Stamped 1" Curved Blade Spacing Register	EA	20
A041406	14" x 6" 3-Way Stamped 1" Curved Blade Spacing Register	EA	20





1/2" BLADE SPACING REGISTER

- High quality steel components, no plastic.
- Steel construction for sidewall or ceiling application.
- 1/2-in spaced fins.
- Three-way air deflection with multi-shutter damper.
- High quality powder coated.

Item No.	Specifications	U/M	Std. Pkg.
A030604	6" x 4" 3-Way Stamped 1/2" Blade Spacing Register	EA	40
A030606	6" x 6" 3-Way Stamped 1/2" Blade Spacing Register	EA	40
A030804	8" x 4" 3-Way Stamped 1/2" Blade Spacing Register	EA	40
A030806	8" x 6" 3-Way Stamped 1/2" Blade Spacing Register	EA	20
A030808	8" x 8" 3-Way Stamped 1/2" Blade Spacing Register	EA	20
A031004	10" x 4" 3-Way Stamped 1/2" Blade Spacing Register	EA	40
A031006	10" x 6" 3-Way Stamped 1/2" Blade Spacing Register	EA	20
A031008	10" x 8" 3-Way Stamped 1/2" Blade Spacing Register	EA	20
A031010	10" x 10" 3-Way Stamped 1/2" Blade Spacing Register	EA	20
A031204	12" x 4" 3-Way Stamped 1/2" Blade Spacing Register	EA	20
A031206	12" x 6" 3-Way Stamped 1/2" Blade Spacing Register	EA	20
A031208	12" x 8" 3-Way Stamped 1/2" Blade Spacing Register	EA	20
A031210	12" x 10" 3-Way Stamped 1/2" Blade Spacing Register	EA	10
A031212	12" x 12" 3-Way Stamped 1/2" Blade Spacing Register	EA	10
A031404	14" x 4" 3-Way Stamped 1/2" Blade Spacing Register	EA	20
A031406	14" x 6" 3-Way Stamped 1/2" Blade Spacing Register	EA	20
A031408	14" x 8" 3-Way Stamped 1/2" Blade Spacing Register	EA	10
A031410	14" x 10" 3-Way Stamped 1/2" Blade Spacing Register	EA	10
A031412	14"X12" 3-Way Stamped 1/2" Blade Spacing Register	EA	10
A031414	14" x 14" 3-Way Stamped 1/2" Blade Spacing Register	EA	10
A031606	16" x 6" 3-Way Stamped 1/2" Blade Spacing Register	EA	20
A031608	16" x 8" 3-Way Stamped 1/2" Blade Spacing Register	EA	10
A031610	16" x 10" 3-Way Stamped 1/2" Blade Spacing Register	EA	10
A031806	18" x 6" 3-Way Stamped 1/2" Blade Spacing Register	EA	10
A031808	18" x 8" 3-Way Stamped 1/2" Blade Spacing Register	EA	10
A031812	18" x 12" 3-Way Stamped 1/2" Blade Spacing Register	EA	10
A032004	20" x 4" 3-Way Stamped 1/2" Blade Spacing Register	EA	20
A032006	20" x 6" 3-Way Stamped 1/2" Blade Spacing Register	EA	10
A032008	20" x 8" 3-Way Stamped 1/2" Blade Spacing Register	EA	10
A032406	24" x 6" 3-Way Stamped 1/2" Blade Spacing Register	EA	10
A032408	24" x 8" 3-Way Stamped 1/2" Blade Spacing Register	EA	10



FLOOR REGISTERS

- All-steel construction, durable and reliable.
- Heavy-gauge individually welded diffusion vanes.
- Multi-angle fin setting.
- Foot-operated dial control, can be used in high traffic areas.
- Brown powder-coating finish.

Item No.	Specifications	U/M	Std. Pkg.
A070410	4" x 10" Stamped Face Floor Register, Brown	EA	40
A070412	4" x 12" Stamped Face Floor Register, Brown	EA	40
A070610	6" x 10" Stamped Face Floor Register, Brown	EA	20
A070612	6" x 12" Stamped Face Floor Register, Brown	EA	20
A080410	4" x 10" Stamped Face Floor Register, White	EA	40
A080412	4" x 12" Stamped Face Floor Register, White	EA	40
A080610	6" x 10" Stamped Face Floor Register, White	EA	20
A080612	6" x 12" Stamped Face Floor Register, White	EA	20

RETURN AIR GRILLES

- Multi-shutter damper, all steel structure, the system comes with screws as standard.
- 1/3-inch spaced fins.
- Effectively conceals filter.
- Durable white finish, shiny and beautiful.
- Removable face for easy installation and cleaning.

Item No.	Specifications	U/M	Std. Pkg.
A111006	10" x 6" Stamped Return Air Grille, White	EA	40
A111010	10" x 10" Stamped Return Air Grille, White	EA	40
A111206	12" x 6" Stamped Return Air Grille, White	EA	40
A111212	12" x 12" Stamped Return Air Grille, White	EA	20
A111406	14" x 6" Stamped Return Air Grille, White	EA	40
A111408	14" x 8" Stamped Return Air Grille, White	EA	20
A111414	14" x 14" Stamped Return Air Grille, White	EA	20
A111616	16" x 16" Stamped Return Air Grille, White	EA	20
A111818	18" x 18" Stamped Return Air Grille, White	EA	20
A112020	20" x 20" Stamped Return Air Grille, White	EA	10
A111824RF	18" x 24" Stamped Return Air Grille W/Removal Face, White	EA	10
A112020RF	20" x 20" Stamped Return Air Grille W/Removal Face, White	EA	10
A112024RF	20" x 24" Stamped Return Air Grille W/Removal Face, White	EA	10
A112420RF	24" x 20" Stamped Return Air Grille W/Removal Face, White	EA	10
A112424RF	24" x 24" Stamped Return Air Grille W/Removal Face, White	EA	5
A113020RF	30" x 20" Stamped Return Air Grille W/Removal Face, White	EA	5



STAMPED FACE BASEBOARD RETURN AIR GRILLE

- 1/2" spaced dual angular louvers.
- Stamped from cold-rolled steel.
- Install with louvers in up or down position for best duct concealment.
- Durable white finish.
- The system comes with screws as standard.

Item No.	Specifications	U/M	Std. Pkg.
A131406	14" x 6" Stamped 1/2" Blade Spacing Baseboard Grille	EA	40
A131408	14" x 8" Stamped 1/2" Blade Spacing Baseboard Grille	EA	20
A132006	20" x 6" Stamped 1/2" Blade Spacing Baseboard Grille	EA	10
A132008	20" x 8" Stamped 1/2" Blade Spacing Baseboard Grille	EA	10
A132406	24" x 6" Stamped 1/2" Blade Spacing Baseboard Grille	EA	20
A132408	24" x 8" Stamped 1/2" Blade Spacing Baseboard Grille	EA	10
A133006	30" x 6" Stamped 1/2" Blade Spacing Baseboard Grille	EA	20
A133008	30" x 8" Stamped 1/2" Blade Spacing Baseboard Grille	EA	10



[illegible]

GAS LINES

GAS BALL VALVES

- Brass body with NPT threads.
- Durable, long-term use and excellent performance, tested to be 100% leak-proof.
- Easy to use and easy to install.
- UL listed for safe use with LP gas, natural gas and heated oils.
- Ideal for indoor and outdoor use.

Item No.	Specifications	U/M	Std. Pkg.
12426	1/2" Fip x 1/2" Fip Gas Ball Valve	EA	10
12427	3/4" Fip x 3/4" Fip Gas Ball Valve	EA	10
12428	1" Fip x 1" Fip Gas Ball Valve	EA	5
32001	1/2" OD Flare x 1/2" Fip Gas Ball Valve	EA	10
32002	5/8" OD Flare x 3/4" Fip Gas Ball Valve	EA	10
32003	1/2" Fip x 1/2" Fip Ball Valve, Long Handle	EA	10
32004	3/4" Fip x 3/4" Fip Ball Valve, Long Handle	EA	10
32005	1" Fip x 1" Fip Ball Valve, Long Handle	EA	5



STAINLESS STEEL GAS CONNECTORS

- Stainless steel flexible gas lines. Has excellent corrosion resistance.
- CSA certified.
- Ideal for indoor and outdoor use.
- Metal to metal seal ensures safe, leak free performance.
- Easy to install, easy to use, no tools required.

Item No.	Specifications	U/M	Std. Pkg.
12429	1/2" OD x 18" S.S. Flex Gas Line 1/2F x 1/2M	EA	25
12430	1/2" OD x 24" S.S. Flex Gas Line 1/2F x 1/2M	EA	25
12431	1/2" OD x 36" S.S. Flex Gas Line 1/2F x 1/2M	EA	25
12432	1/2" OD x 48" S.S. Flex Gas Line 1/2F x 1/2M	EA	25
12433	5/8" OD x 12" S.S. Flex Gas Line 1/2F x 1/2M	EA	25
12434	5/8" OD x 18" S.S. Flex Gas Line 1/2F x 1/2M	EA	25
12435	5/8" OD x 24" S.S. Flex Gas Line 1/2F x 1/2M	EA	25
12436	5/8" OD x 36" S.S. Flex Gas Line 1/2F x 1/2M	EA	25
12437	5/8" OD x 48" S.S. Flex Gas Line 1/2F x 1/2M	EA	25
12438	5/8" OD x 12" S.S. Flex Gas Line 1/2M x 1/2M	EA	25
12439	5/8" OD x 18" S.S. Flex Gas Line 1/2M x 1/2M	EA	25
12440	5/8" OD x 24" S.S. Flex Gas Line 1/2M x 1/2M	EA	25
12441	5/8" OD x 36" S.S. Flex Gas Line 1/2M x 1/2M	EA	25
12442	5/8" OD x 48" S.S. Flex Gas Line 1/2M x 1/2M	EA	25
32011	5/8" OD x 12" S.S. Flex Gas Line 3/4F x 3/4M	EA	25
32012	5/8" OD x 18" S.S. Flex Gas Line 3/4F x 3/4M	EA	25
32013	5/8" OD x 24" S.S. Flex Gas Line 3/4F x 3/4M	EA	25
32014	5/8" OD x 36" S.S. Flex Gas Line 3/4F x 3/4M	EA	25
32015	5/8" OD x 48" S.S. Flex Gas Line 3/4F x 3/4M	EA	25
32016	5/8" OD x 60" S.S. Flex Gas Line 3/4F x 3/4M	EA	12
32017	5/8" OD x 72" S.S. Flex Gas Line 3/4F x 3/4M	EA	12



GAS CONNECTORS WITH BALL VALVES

- Stainless steel flexible gas lines with ball valves.
- Indoor/outdoor use.

Item No.	Specifications	U/M	Std. Pkg.
12473	1/2" MPT x 18" x 1/2" FPT Valve	EA	1
12474	1/2" MPT x 24" x 1/2" FPT Valve	EA	1
12475	1/2" MPT x 36" x 1/2" FPT Valve	EA	1
12476	1/2" MPT x 48" x 1/2" FPT Valve	EA	1





YELLOW COATED GAS CONNECTORS

- Configured with pipe threaded fittings for installation.
- Gas dryer and water heater connector.
- The yellow coating provides extra corrosion protection.

Item No.	Specifications	U/M	Std. Pkg.
12453	1/2" OD x 12" Yellow Coated S.S. Flex Gas Line 1/2F x 1/2M	EA	25
12454	1/2" OD x 18" Yellow Coated S.S. Flex Gas Line 1/2F x 1/2M	EA	25
12455	1/2" OD x 24" Yellow Coated S.S. Flex Gas Line 1/2F x 1/2M	EA	25
12456	1/2" OD x 36" Yellow Coated S.S. Flex Gas Line 1/2F x 1/2M	EA	25
12457	1/2" OD x 48" Yellow Coated S.S. Flex Gas Line 1/2F x 1/2M	EA	25
12458	5/8" OD x 12" Yellow Coated S.S. Flex Gas Line 1/2F x 1/2M	EA	25
12459	5/8" OD x 18" Yellow Coated S.S. Flex Gas Line 1/2F x 1/2M	EA	25
12460	5/8" OD x 24" Yellow Coated S.S. Flex Gas Line 1/2F x 1/2M	EA	25
12461	5/8" OD x 36" Yellow Coated S.S. Flex Gas Line 1/2F x 1/2M	EA	25
12462	5/8" OD x 48" Yellow Coated S.S. Flex Gas Line 1/2F x 1/2M	EA	25
12463	5/8" OD x 12" Yellow Coated S.S. Flex Gas Line 1/2F x 1/2F	EA	25
12464	5/8" OD x 18" Yellow Coated S.S. Flex Gas Line 1/2F x 1/2F	EA	25
12465	5/8" OD x 24" Yellow Coated S.S. Flex Gas Line 1/2F x 1/2F	EA	25
12466	5/8" OD x 36" Yellow Coated S.S. Flex Gas Line 1/2F x 1/2F	EA	25
12467	5/8" OD x 48" Yellow Coated S.S. Flex Gas Line 1/2F x 1/2F	EA	25
12468	5/8" OD x 12" Yellow Coated S.S. Flex Gas Line 1/2M x 1/2M	EA	25
12469	5/8" OD x 18" Yellow Coated S.S. Flex Gas Line 1/2M x 1/2M	EA	25
12470	5/8" OD x 24" Yellow Coated S.S. Flex Gas Line 1/2M x 1/2M	EA	25
12471	5/8" OD x 36" Yellow Coated S.S. Flex Gas Line 1/2M x 1/2M	EA	25
12472	5/8" OD x 48" Yellow Coated S.S. Flex Gas Line 1/2M x 1/2M	EA	25

GAS FITTINGS

- Steel galvanized.



Item No.	Specifications	U/M	Std. Pkg.
32020	1/2" OD Flare x 1/2" Fip Steel Fitting	EA	25
32021	1/2" OD Flare x 1/2" Mip Steel Fitting	EA	25
32022	5/8" OD Flare x 1/2" Fip Steel Fitting	EA	25
32023	5/8" OD Flare x 1/2" Mip (Taped 3/8" FPT) Steel Fitting	EA	25
32024	5/8" OD Flare x 3/4" Mip (Taped 1/2" FPT) Steel Fitting	EA	25
32025	5/8" OD Flare x 3/4" Fip Steel Fitting	EA	25

BLACK FITTING AIR TEST GAUGES

- Easy-to-read gauge with clear facing.
- Test air pressure. Durable construction for performance reliability.
- Black iron threaded bell for leak tight connection.
- All gauges are 2-inch diameter face.
- Easy to install, no tools are required.



Item No.	Specifications	U/M	Std. Pkg.
12701	Black Fitting Air Test Gauge 1/2" 0-15 PSI	EA	50
12702	Black Fitting Air Test Gauge 3/4" 0-15 PSI	EA	50
12703	Black Fitting Air Test Gauge 1" 0-15 PSI	EA	50
12704	Black Fitting Air Test Gauge 1/2" 0-60 PSI	EA	50
12705	Black Fitting Air Test Gauge 3/4" 0-60 PSI	EA	50
12706	Black Fitting Air Test Gauge 1" 0-60 PSI	EA	50
12707	Black Fitting Air Test Gauge 1/2" 0-30 PSI	EA	50
12708	Black Fitting Air Test Gauge 3/4" 0-30 PSI	EA	50
12709	Black Fitting Air Test Gauge 1" 0-30 PSI	EA	50
12710	Black Fitting Air Test Gauge 1/2" 0-100 PSI	EA	50
12711	Black Fitting Air Test Gauge 3/4" 0-100 PSI	EA	50
12712	Black Fitting Air Test Gauge 1" 0-100 PSI	EA	50

HEX BODY AIR TEST GAUGES

- Easy-to-read gauge with clear facing, accurate scale.
- Test air pressure and easy to install and convenient to use.
- Durable construction for performance reliability that a great pressure measuring tool with stable performance.
- Colored galvanized iron threaded bell for leak tight connection.
- Shell of the pressure meter can protect internal accessories well.

Item No.	Specifications	U/M	Std. Pkg.
12713	Hex Body Air Test Gauge 1/2" 0-15 PSI	EA	50
12714	Hex Body Air Test Gauge 3/4" 0-15 PSI	EA	50
12715	Hex Body Air Test Gauge 1" 0-15 PSI	EA	50
12716	Hex Body Air Test Gauge 1/2" 0-60 PSI	EA	50
12717	Hex Body Air Test Gauge 3/4" 0-60 PSI	EA	50
12718	Hex Body Air Test Gauge 1" 0-60 PSI	EA	50
12719	Hex Body Air Test Gauge 1/2" 0-30 PSI	EA	50
12720	Hex Body Air Test Gauge 3/4" 0-30 PSI	EA	50
12721	Hex Body Air Test Gauge 1" 0-30 PSI	EA	50
12722	Hex Body Air Test Gauge 1/2" 0-100 PSI	EA	50
12723	Hex Body Air Test Gauge 3/4" 0-100 PSI	EA	50
12724	Hex Body Air Test Gauge 1" 0-100 PSI	EA	50



HEX BODY VERTICAL AIR TEST GAUGES

- All gauges are 2" diameter face.
- Easy-to-read gauge with clear facing.
- Test air pressure.
- Durable construction for performance reliability.
- Colored galvanized iron threaded bell for leak tight connection.

Item No.	Specifications	U/M	Std. Pkg.
12725	Hex Body 1/2" 0-15 PSI Air Test Gauge, Vertical	EA	50
12726	Hex Body 1/2" 0-30 PSI Air Test Gauge, Vertical	EA	50
12727	Hex Body 1/2" 0-60 PSI Air Test Gauge, Vertical	EA	50
12728	Hex Body 1/2" 0-100 PSI Air Test Gauge, Vertical	EA	50
12729	Hex Body 3/4" 0-15 PSI Air Test Gauge, Vertical	EA	50
12730	Hex Body 3/4" 0-30 PSI Air Test Gauge, Vertical	EA	50
12731	Hex Body 3/4" 0-60 PSI Air Test Gauge, Vertical	EA	50
12732	Hex Body 3/4" 0-100 PSI Air Test Gauge, Vertical	EA	50
12733	Hex Body 1" 0-15 PSI Air Test Gauge, Vertical	EA	50
12734	Hex Body 1" 0-30 PSI Air Test Gauge, Vertical	EA	50
12735	Hex Body 1" 0-60 PSI Air Test Gauge, Vertical	EA	50
12736	Hex Body 1" 0-100 PSI Air Test Gauge, Vertical	EA	50



AIR TEST GAUGES

AIR VALVE

Item No.	Specifications	U/M	Std. Pkg.
12740	1/4" MPT Air Valve 10/PK	PK	1



AIR TEST GAUGE BODY, CAST BELL

Item No.	Specifications	U/M	Std. Pkg.
12741	Bell Reducer for Test Gauge, 1/2" FPT x 1/4" FPT, W/ Air Valve	EA	50
12742	Bell Reducer for Test Gauge, 3/4" FPT x 1/4" FPT, W/ Air Valve	EA	50
12743	Bell Reducer for Test Gauge, 1" FPT x 1/4" FPT, W/ Air Valve	EA	50





AIR TEST GAUGE BODY, HEXGON VERTICAL

Item No.	Specifications	U/M	Std. Pkg.
12751	1/2" FPT x 1/4" FPT, W/ Air Valve	EA	50
12752	3/4" FPT x 1/4" FPT, W/ Air Valve	EA	50
12753	1" FPT x 1/4" FPT, W/ Air Valve	EA	50



AIR TEST GAUGE BODY, HEXGON

Item No.	Specifications	U/M	Std. Pkg.
12751V	1/2" FPT x 1/4" FPT Vertical, W/ Air Valve	EA	50
12752V	3/4" FPT x 1/4" FPT Vertical, W/ Air Valve	EA	50
12753V	1" FPT x 1/4" FPT Vertical, W/ Air Valve	EA	50



2" PRESSURE GAUGES ONLY

Item No.	Specifications	U/M	Std. Pkg.
12771	0-15 PSI Pressure Gauge, 2" Dial 1/5 PSI Increment, 1/4" MPT	EA	50
12772	0-30 PSI Pressure Gauge, 2" Dial 1/2 PSI Increment, 1/4" MPT	EA	50
12773	0-60 PSI Pressure Gauge, 2" Dial 1 PSI Increment, 1/4" MPT	EA	50
12774	0-100 PSI Pressure Gauge, 2" Dial 2 PSI Increment, 1/4" MPT	EA	50
12775	0-160 PSI Pressure Gauge, 2" Dial 5 PSI Increment, 1/4" MPT	EA	50
12776	0-200 PSI Pressure Gauge, 2" Dial 5 PSI Increment, 1/4" MPT	EA	50
12777	0-300 PSI Pressure Gauge, 2" Dial 5 PSI Increment, 1/4" MPT	EA	50



2" PRESSURE GAUGES ONLY, BACK MOUNT

Item No.	Specifications	U/M	Std. Pkg.
12771BM	0-15 PSI Pressure Gauge, 2" Dial 1 PSI Increment, 1/4" MPT Back Mount	EA	50
12772BM	0-30 PSI Pressure Gauge, 2" Dial 1/4 PSI Increment, 1/4" MPT Back Mount	EA	50
12773BM	0-60 PSI Pressure Gauge, 2" Dial 1 PSI Increment, 1/4" MPT Back Mount	EA	50
12774BM	0-100 PSI Pressure Gauge, 2" Dial 2 PSI Increment, 1/4" MPT Back Mount	EA	50
12775BM	0-160 PSI Pressure Gauge, 2" Dial 5 PSI Increment, 1/4" MPT Back Mount	EA	50
12776BM	0-200 PSI Pressure Gauge, 2" Dial 5 PSI Increment, 1/4" MPT Back Mount	EA	50
12777BM	0-300 PSI Pressure Gauge, 2" Dial 5 PSI Increment, 1/4" MPT Back Mount	EA	50

VINYL TUBING

CLEAR VINYL TUBING

- Super smooth dense bore maximizes flow and reduces sediment build up.
- Easy to shape, bend and install, can be cut to size as needed.
- Can be used in a wide variety of settings involving chemicals, gases, and liquids.
- Resistant to acids, alkalis, a variety of chemicals, gases, and liquids.
- Great for low-pressure applications because of the high-quality material.



Item No.	Specifications	U/M	Std. Pkg.
12401	1/4" Id x 100' Clear Vinyl Tube	RL	5
12402	3/8" Id x 100' Clear Vinyl Tube	RL	5
12403	1/2" Id x 100' Clear Vinyl Tube	RL	5
12404	5/8" Id x 100' Clear Vinyl Tube	RL	5
12405	3/4" Id x 100' Clear Vinyl Tube	RL	3
12406	7/8" Id x 50' Clear Vinyl Tube	RL	3

BRAIDED VINYL TUBING

- Braided PVC construction.
- Smooth, dense bore maximizes flow and reduces sediment buildup.
- Light weight and flexible, can be cut to size as needed.
- Resistant to acids, alkalis, a variety of chemicals, gases, and liquids.
- Has four times the working pressure of single wall PVC.

Item No.	Specifications	U/M	Std. Pkg.
12407	1/4"Id x 50' Clear Braided Vinyl Tube	RL	5
12408	3/8"Id x 50' Clear Braided Vinyl Tube	RL	5
12409	1/2"Id x 50' Clear Braided Vinyl Tube	RL	5
12410	5/8"Id x 50' Clear Braided Vinyl Tube	RL	5
12411	3/4"Id x 50' Clear Braided Vinyl Tube	RL	3

**GARDEN HOSES**

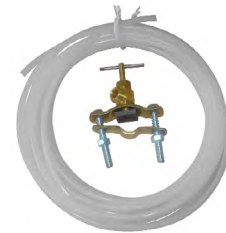
- Long service life and good durability.
- Crush-resistant and corrosion-resistant brass connections.

Item No.	Specifications	U/M	Std. Pkg.
12412	5/8"Gh x 25' Garden Hose W/Brass Couplings 4Lyr	RL	12
12413	5/8"Gh x 50' Garden Hose W/Brass Couplings 4Lyr	RL	6
12414	5/8"Gh x 100' Garden Hose W/Brass Couplings 4Lyr	RL	3

**ICE MAKER INSTALLATION KITS****PLASTIC TUBE ICE MAKER KITS**

- Ice maker/humidifier installation kit.
- 1/4" x 25' Poly tubing.
- Poly tubing, self-piercing saddle valve and fitting included.

Item No.	Specifications	U/M	Std. Pkg.
12422	Lead Free Ice Maker Kit, Poly Tube 25'	KT	20

**COPPER TUBE ICE MAKER KITS**

- Ice maker/humidifier installation kit.
- 1/4" x 25' copper tubing.
- Copper tubing, self-piercing saddle valve and fitting included.

Item No.	Specifications	U/M	Std. Pkg.
12425	Lead Free Ice Maker Kit, 25' Copper Tube	KT	20

**SELF PIERCING SADDLE VALVES**

- Installs on all 3/8" to 1-1/8" O.D. copper or iron pipe.
- Allows tapping of a water supply line without turning off the water.
- 1/4" O.D. outlet.

Item No.	Specifications	U/M	Std. Pkg.
12423	Lead Free Self Piercing Saddle Valves	EA	200

**POLYETHYLENE TUBING**

- Ice maker/humidifier installation accessories.
- 1/4" O.D. Poly tubing.

Item No.	Specifications	U/M	Std. Pkg.
12424	1/4" x 100' Poly Tube 0.170 Wall Thickness	RL	20





TUBING INSULATION

RUBBER ELBOW

- EPDM rubber elbow has excellent heat aging resistance, electrical insulation properties, good chemical stability.

Item No.	Specifications	U/M	Std. Pkg.
18022	3/4" Rubber Elbow	EA	50



PIPE HANGERS

STEEL PIPE HANGERS

- Use for ABS/PVC/DWV pipe.
- Made from galvanized steel.
- Strong bearing capacity.
- Durable and easy to install.
- Industrial wool felt lined.

Item No.	Specifications	U/M	Std. Pkg.
37001	1 1/2" x 12" Steel Pipe Hanger	EA	100
37002	2" x 12" Steel Pipe Hanger	EA	100
37003	3" x 12" Steel Pipe Hanger	EA	50
37004	4" x 12" Steel Pipe Hanger	EA	50



PLASTIC PIPE HANGERS

- Made from durable ABS material.
- Strong bearing capacity.
- Excellent shock resistance.
- Long service life.

Item No.	Specifications	U/M	Std. Pkg.
37012	2" x 7" Plastic J Hook	EA	25
37013	3" x 7" Plastic J Hook	EA	25



SWIVEL J-HOOK

- Corrosion proof and UV resistant.
- Cradle swivels 360-degrees to support pipe from any direction.
- Allows for expansion and contraction.

Item No.	Specifications	U/M	Std. Pkg.
37015	2" x 10 5/16" DWV Swivel Pipe Hanger	EA	25
37016	3" x 11 1/8" DWV Swivel Pipe Hanger	EA	25



HANGS TUFF DWV PIPE HANGERS

- Unique stem finger locks pipe in place.
- Use for DWV pipe.
- Made from durable ABS material.
- Strong bearing capacity.

Item No.	Specifications	U/M	Std. Pkg.
37022	2" x 10 1/2" DWV Pipe Hanger	EA	25
37023	3" x 11 3/4" DWV Pipe Hanger	EA	25



ZIP-LOC PIPE HANGER KIT

- High impact plastic. Replaces galvanized straps and is non-corrosive.
- Grade-marked in 1/2" increments, over length of 24" or 48".
- Ratchet design adjustable zip-strap design locks in place to support pipe.
- Octagonal rod design is ideal for installing branch line pipes at angles.
- Fits for DWV pipe.

Item No.	Specifications	U/M	Std. Pkg.
37018	Ajustable Zip-Loc Pipe Hanger Kit, 24" Rod	EA	120
37019	Ajustable Zip-Loc Pipe Hanger Kit, 48" Rod	EA	120
37020	Zip Ties for Zip-Loc Hanger Kit	EA	240

WIRE PIPE HOOKS

- Sharp, self-nailing ends to add ease of installment.
- Strong and durable.
- Easy and fast to install.

Item No.	Specifications	U/M	Std. Pkg.
37030	1/2" x 6" Steel Wire Pipe Hook	EA	50
37031	3/4" x 6" Steel Wire Pipe Hook	EA	50
37032	1" x 6" Steel Wire Pipe Hook	EA	50
37033	1 1/4" x 6" Steel Wire Pipe Hook	EA	50
37034	1 1/2" x 6" Steel Wire Pipe Hook	EA	50

**COPPER FITTINGS**

- Durable copper construction ensures long life.
- Corrosion-resistant.

**90° ELBOWS C X C**

Item No.	Specifications	U/M	Std. Pkg.
13001	3/8" OD 1/4" ID	EA	25
13002	5/16" OD 3/16" ID	EA	25
13003	1/2" OD 3/8" ID	EA	25
13004	5/8" OD 1/2" ID	EA	25
13005	3/4" OD 5/8" ID	EA	25
13006	7/8" OD 3/4" ID	EA	25
13007	1-1/8" OD 1" ID	EA	10
13008	1-3/8" OD 1-1/4" ID	EA	5
13009	1-5/8" OD 1-1/2" ID	EA	5

90° LONG TURN ELBOWS C X C

Item No.	Specifications	U/M	Std. Pkg.
13010	1/4" OD 1/8" ID	EA	25
13011	3/8" OD 1/4" ID	EA	25
13012	5/16" OD 3/16" ID	EA	25
13013	1/2" OD 3/8" ID	EA	25
13014	5/8" OD 1/2" ID	EA	25
13015	3/4" OD 5/8" ID	EA	20
13016	7/8" OD 3/4" ID	EA	10
13017	1-1/8" OD 1" ID	EA	10
13018	1-3/8" OD 1-1/4" ID	EA	5
13019	1-5/8" OD 1-1/2" ID	EA	5

90° STREET ELBOWS FTG X C

Item No.	Specifications	U/M	Std. Pkg.
13020	3/8" OD 1/4" ID	EA	25
13021	1/2" OD 3/8" ID	EA	25
13022	5/8" OD 1/2" ID	EA	25
13023	3/4" OD 5/8" ID	EA	25
13024	7/8" OD 3/4" ID	EA	25
13025	1-1/8" OD 1" ID	EA	10
13026	1-3/8" OD 1-1/4" ID	EA	5
13027	1-5/8" OD 1-1/2" ID	EA	5

90° STREET LONG ELBOWS FTG X C

Item No.	Specifications	U/M	Std. Pkg.
13028	3/8" OD 1/4" ID	EA	25
13029	1/2" OD 3/8" ID	EA	25
13030	5/8" OD 1/2" ID	EA	25
13031	3/4" OD 5/8" ID	EA	10
13032	7/8" OD 3/4" ID	EA	10
13033	1-1/8" OD 1" ID	EA	10
13034	1-3/8" OD 1-1/4" ID	EA	5
13035	1-5/8" OD 1-1/2" ID	EA	5

NOMINAL PRESS COPPER COUPLING

Item No.	Specifications	U/M	Std. Pkg.
38030	3/4" x 3/4"	EA	25

COPPER PRESS TEES

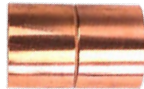
Item No.	Specifications A B C	U/M	Std. Pkg.
38000	3/4" x 3/4" x 1/2"	EA	25

45° ELBOWS C X C



Item No.	Specifications	U/M	Std. Pkg.
13036	3/8" OD 1/4" ID	EA	25
13037	5/16" OD 3/16" ID	EA	25
13038	1/2" OD 3/8" ID	EA	25
13039	5/8" OD 1/2" ID	EA	25
13040	3/4" OD 5/8" ID	EA	25
13041	7/8" OD 3/4" ID	EA	25
13042	1-1/8" OD 1" ID	EA	10
13043	1-3/8" OD 1-1/4" ID	EA	10
13044	1-5/8" OD 1-1/2" ID	EA	5

COUPLINGS



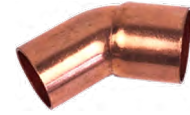
Item No.	Specifications	U/M	Std. Pkg.
13101	1/4" OD 1/8" ID	EA	25
13102	3/8" OD 1/4" ID	EA	25
13103	5/16" OD 3/16" ID	EA	25
13104	1/2" OD 3/8" ID	EA	25
13105	5/8" OD 1/2" ID	EA	25
13106	3/4" OD 5/8" ID	EA	25
13107	7/8" OD 3/4" ID	EA	25
13108	1-1/8" OD 1" ID	EA	25
13109	1-3/8" OD 1-1/4" ID	EA	10
13110	1-5/8" OD 1-1/2" ID	EA	10

REDUCERS FTGXC



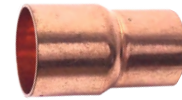
Item No.	Specifications	U/M	Std. Pkg.
13125	3/8" OD 1/4" ID x 1/4" OD 1/8" ID	EA	25
13126	1/2" OD 3/8" ID x 3/8" OD 1/4" ID	EA	25
13127	1/2" OD 3/8" ID x 1/4" OD 1/8" ID	EA	25
13128	5/8" OD 1/2" ID x 1/2" OD 3/8" ID	EA	25
13129	5/8" OD 1/2" ID x 3/8" OD 1/4" ID	EA	25
13130	3/4" OD 5/8" ID x 5/8" OD 1/2" ID	EA	25
13131	7/8" OD 3/4" ID x 3/4" OD 5/8" ID	EA	25
13132	7/8" OD 3/4" ID x 5/8" OD 1/2" ID	EA	25
13133	1-1/8" OD 1" ID x 7/8" OD 3/4" ID	EA	10
13134	1-1/8" OD 1" ID x 3/4" OD 5/8" ID	EA	10
13135	1-1/8" OD 1" ID x 5/8" OD 1/2" ID	EA	10
13136	1-1/8" OD 1" ID x 1/2" OD 3/8" ID	EA	10

45° STREET ELBOWS FTG X C



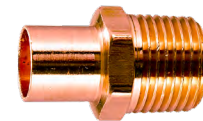
Item No.	Specifications	U/M	Std. Pkg.
13045	3/8" OD 1/4" ID	EA	25
13046	1/2" OD 3/8" ID	EA	25
13047	5/8" OD 1/2" ID	EA	25
13048	3/4" OD 5/8" ID	EA	25
13049	7/8" OD 3/4" ID	EA	25
13050	1-1/8" OD 1" ID	EA	10
13051	1-3/8" OD 1-1/4" ID	EA	5
13052	1-5/8" OD 1-1/2" ID	EA	5

REDUCING COUPLINGS C X C



Item No.	Specifications	U/M	Std. Pkg.
13111	3/8" OD 1/4" ID x 1/4" OD 1/8" ID	EA	25
13112	3/8" OD 1/4" ID x 5/16" OD 3/16" ID	EA	25
13113	1/2" OD 3/8" ID x 3/8" OD 1/4" ID	EA	25
13114	5/8" OD 1/2" ID x 1/2" OD 3/8" ID	EA	25
13115	5/8" OD 1/2" ID x 3/8" OD 1/4" ID	EA	25
13116	3/4" OD 5/8" ID x 5/8" OD 1/2" ID	EA	25
13117	3/4" OD 5/8" ID x 1/2" OD 3/8" ID	EA	25
13118	7/8" OD 3/4" ID x 3/4" OD 5/8" ID	EA	25
13119	7/8" OD 3/4" ID x 5/8" OD 1/2" ID	EA	25
13120	1-1/8" OD 1" ID x 7/8" OD 3/4" ID	EA	10
13121	1-1/8" OD 1" ID x 3/4" OD 5/8" ID	EA	10
13122	1-3/8" OD 1-1/4" ID x 1-1/8" OD 1" ID	EA	5
13123	1-5/8" OD 1-1/2" ID x 1-3/8" OD 1-1/4" ID	EA	5
13124	1-5/8" OD 1-1/2" ID x 1-1/8" OD 1" ID	EA	5

MALE ADAPTERS C X MPT



Item No.	Specifications	U/M	Std. Pkg.
13201	3/8" OD 1/4" ID (C) x 1/8" MPT	EA	25
13202	1/2" OD 3/8" ID (C) x 3/8" MPT	EA	25
13203	5/8" OD 1/2" ID (C) x 1/2" MPT	EA	25
13204	5/8" OD 1/2" ID (C) x 3/4" MPT	EA	25
13205	5/8" OD 1/2" ID (C) x 3/8" MPT	EA	25
13206	7/8" OD 3/4" ID (C) x 3/4" MPT	EA	25
13207	1-1/8" OD 1" ID (C) x 1" MPT	EA	10
13208	1-1/8" OD 1" ID (C) x 3/4" MPT	EA	10

FEMALE ADAPTERS C X FPT



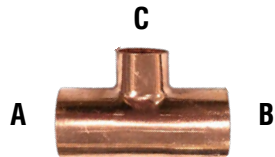
Item No.	Specifications	U/M	Std. Pkg.
13209	1/2" OD 3/8" ID x 3/8" FPT	EA	25
13210	5/8" OD 1/2" ID x 1/2" FPT	EA	25
13211	5/8" OD 1/2" ID x 3/4" FPT	EA	25
13212	5/8" OD 1/2" ID x 3/8" FPT	EA	25
13213	5/8" OD 1/2" ID x 1/4" FPT	EA	25
13214	7/8" OD 3/4" ID x 3/4" FPT	EA	25
13215	7/8" OD 3/4" ID x 1/2" FPT	EA	25
13216	1-1/8" OD 1" ID x 1" FPT	EA	10
13217	1-1/8" OD 1" ID x 3/4" FPT	EA	1

UNIONS



Item No.	Specifications	U/M	Std. Pkg.
13224	1/2" OD 3/8" ID	EA	25
13225	5/8" OD 1/2" ID	EA	10
13226	7/8" OD 3/4" ID	EA	10
13227	1-1/8" OD 1" ID	EA	10

REDUCING TEES



Item No.	A	Specifications B	C	U/M	Std. Pkg.
13310	5/8" OD 1/2" ID	5/8" OD 1/2" ID x 5/8" OD 1/2" ID x 1/2" OD 3/8" ID		EA	25
13311	7/8" OD 3/4" ID	7/8" OD 3/4" ID x 7/8" OD 3/4" ID x 5/8" OD 1/2" ID		EA	25
13312	7/8" OD 3/4" ID	7/8" OD 3/4" ID x 5/8" OD 1/2" ID x 7/8" OD 3/4" ID		EA	25
13313	1-1/8" OD 1" ID	1-1/8" OD 1" ID x 1-1/8" OD 1" ID x 7/8" OD 3/4" ID		EA	10
13314	1-1/8" OD 1" ID	1-1/8" OD 1" ID x 1-1/8" OD 1" ID x 5/8" OD 1/2" ID		EA	10

TWO HOLE STRAPS



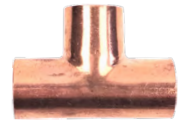
Item No.	Specifications	U/M	Std. Pkg.
13319	5/8" OD 1/2" ID	EA	25
13320	7/8" OD 3/4" ID	EA	25
13321	1-1/8" OD 1" ID	EA	10
13322	1-3/8" OD 1-1/4" ID	EA	10
13323	1-5/8" OD 1-1/2" ID	EA	10

CAPS



Item No.	Specifications	U/M	Std. Pkg.
13218	3/8" OD 1/4"	EA	25
13219	1/2" OD 3/8"	EA	25
13220	5/8" OD 1/2"	EA	25
13221	3/4" OD 5/8"	EA	25
13222	7/8" OD 3/4"	EA	25
13223	1-1/8" OD 1"	EA	10

TEES



Item No.	Specifications	U/M	Std. Pkg.
13301	1/4" OD 1/8" ID	EA	50
13302	3/8" OD 1/4" ID	EA	25
13303	1/2" OD 3/8" ID	EA	25
13304	5/8" OD 1/2" ID	EA	25
13305	3/4" OD 5/8" ID	EA	25
13306	7/8" OD 3/4" ID	EA	20
13307	1-1/8" OD 1" ID	EA	10
13308	1-3/8" OD 1-1/4" ID	EA	5
13309	1-5/8" OD 1-1/2" ID	EA	5

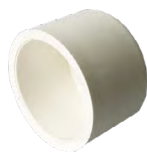
P-TRAPS



Item No.	Specifications	U/M	Std. Pkg.
13315	5/8" OD 1/2" ID	EA	10
13316	3/4" OD 5/8" ID	EA	5
13317	7/8" OD 3/4" ID	EA	5
13318	1-1/8" OD 1" ID	EA	1

DWV FITTINGS

COUPLINGS



Item No.	Specifications	U/M	Std. Pkg.
12201	1-1/2"	EA	100
12202	1-1/2" Repair	EA	25
12203	2"	EA	100
12204	2" Repair	EA	25
12205	3"	EA	60
12206	3" Repair	EA	12

45° ELBOWS



Item No.	Specifications	U/M	Std. Pkg.
12209	1-1/2"	EA	100
12210	2"	EA	50
12211	2" Street Elbow	EA	50
12212	3"	EA	25
12213	3" Street Elbow	EA	25

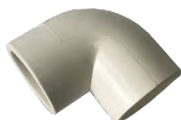
TEES



Item No.	Specifications	U/M	Std. Pkg.
12219	1-1/2"	EA	100
12220	2"	EA	35
12221	3"	EA	15

SCHEDULE 40 PVC FITTINGS

90° ELBOWS S X S



Item No.	Specifications	U/M	Std. Pkg.
12301	[406-005], 1/2" S x S	EA	50
12302	[406-007], 3/4" S x S	EA	50
12303	[406-010], 1" S x S	EA	50
12304	[406-025], 2-1/2" S x S	EA	15
33001	[406-020], 2" S x S	EA	25
33003	[406-030], 3" S x S	EA	10

REDUCING COUPLINGS



Item No.	Specifications	U/M	Std. Pkg.
12207	2" x 1-1/2"	EA	50
12208	3" x 2"	EA	20

90° LONG ELBOWS



Item No.	Specifications	U/M	Std. Pkg.
12214	1-1/2"	EA	50
12215	2"	EA	25
12216	2" Street Elbow	EA	25
12217	3"	EA	10
12218	3" Street Elbow	EA	20

90° ELBOWS

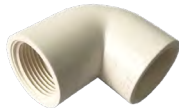


Item No.	Specifications	U/M	Std. Pkg.
12222	1-1/2"	EA	100
12223	2"	EA	50
12224	2" Street Elbow	EA	25
12225	3"	EA	25
12226	3" Street Elbow	EA	20

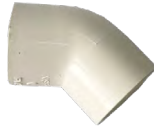
90° ELBOWS S X FTG



Item No.	Specifications	U/M	Std. Pkg.
12305	[409-005], 1/2" S x SPG	EA	50
12306	[409-007], 3/4" S x SPG	EA	50
12307	[409-010], 1" S x SPG	EA	50

90° ELBOWS S X FPT

Item No.	Specifications	U/M	Std. Pkg.
12308	[407-074], 1/2" S x 3/4" FPT	EA	50
12309	[407-007], 3/4" S x 3/4" FPT	EA	50
12310	[407-010], 1" S x 1" FPT	EA	50

45° ELBOWS S X S

Item No.	Specifications	U/M	Std. Pkg.
12313	[417-005], 1/2" S x S	EA	50
12314	[417-007], 3/4" S x S	EA	50
12315	[417-010], 1" S x S	EA	50
33007	2" S x S	EA	25
33009	3" S x S	EA	10

**MALE ADAPTERS,
S X MPT**

Item No.	Specifications	U/M	Std. Pkg.
12324	[436-005], 1/2" S x 1/2" MPT	EA	50
12325	[436-101], 1/2" S x 3/4" MPT	EA	50
12326	[436-007], 3/4" S x 3/4" MPT	EA	50
12327	[436-131], 3/4" S x 1" MPT	EA	50
12328	[436-010], 1" S x 1" MPT	EA	50
12329	3/4" S x 3/4" MGHT	EA	25
33015	[436-074], 1/2" MPT x 3/4" S	EA	50
33017	[436-102], 3/4" MPT x 1" S	EA	50

TEES

Item No.	Specifications	U/M	Std. Pkg.
12339	[401-005], 1/2" S x S x S	EA	50
12340	[401-007], 3/4" S x S x S	EA	50
12341	[401-010], 1" S x S x S	EA	50

90° ELBOWS S X MPT

Item No.	Specifications	U/M	Std. Pkg.
12311	[410-007], 3/4" S x 3/4" MPT	EA	50
12312	[410-010], 1" S x 1" MPT	EA	50
33005	[410-005], 1/2" S x 1/2" MPT	EA	50

COUPLINGS S X S

Item No.	Specifications	U/M	Std. Pkg.
12317	[429-005], Coupling, 1/2" S x S	EA	50
12318	[429-007], 3/4" S x S	EA	50
12319	[429-010], 1" S x S	EA	50
12320	[429-020], 2" S x S	EA	25
12321	[429-338FE], 3" S x 2" S	EA	10
12323	[429-030], 3" S x S	EA	10
33011	[429-015], 1 1/2" S x S	EA	25

**FEMALE ADAPTERS,
S X FPT**

Item No.	Specifications	U/M	Std. Pkg.
12330	[435-005], 1/2" S x 1/2" FPT	EA	50
12331	[435-074], 3/4" S x 1/2" FPT	EA	50
12332	[435-007], 3/4" S x 3/4" FPT	EA	50
12333	[435-010], 1" S x 1" FPT	EA	50
33019	[435-102], 3/4" S x 1" FPT	EA	50

CLEAN OUT TEE

Item No.	Specifications	U/M	Std. Pkg.
12343	3/4" S x S x Clean Out	EA	25

THREADED CAPS

Item No.	Specifications	U/M	Std. Pkg.
12351	[448-005], 1/2" FPT	EA	50
12352	[448-007], 3/4" FPT	EA	50

CAPS



Item No.	Specifications	U/M	Std. Pkg.
12344	[447-005], 1/2"	EA	50
12345	[447-007], 3/4"	EA	50
12346	[447-010], 1"	EA	50
12347	[447-015], 1-1/2"	EA	25
12348	[447-020], 2"	EA	10
12350	[447-030], 3"	EA	10

THREADED PLUG



Item No.	Specifications	U/M	Std. Pkg.
12353	[450-007], 3/4"	EA	50

UNIONS



Item No.	Specifications	U/M	Std. Pkg.
12334	[457-005], 1/2" S	EA	10
12335	[457-007], 3/4" S	EA	15
12336	[457-001], 1" S	EA	10

BUSHINGS



Item No.	Specifications	U/M	Std. Pkg.
12354	[437-101], 3/4" SPG x 1/2" S	EA	100
12355	[438-101], 3/4" S x 1/2" FPT	EA	50
12356	[437-131], 1" SPG x 3/4" S	EA	50
12357	[437-251], 2" SPG x 1-1/2" S	EA	25
12358	[437-292], 2-1/2" SPG x 2" S	EA	10
12359	[437-339], 3" SPG x 2-1/2" S	EA	10
12360	[437-338], 3" SPG x 2" S	EA	10
33025	[437-130], 1" SPG x 1/2" S	EA	100
33027	[437-210], 1 1/2" SPG x 3/4" S	EA	25

SCHEDULE 80 PVC FITTINGS UNIONS



Item No.	Specifications	U/M	Std. Pkg.
12337	[897-005], 1/2" S	EA	10
12338	[897-007], 3/4" S	EA	10



PVC UTILITY BALL VALVES

BALL VALVES

- EPDM seat seals and o-rings.
- Fits both Schedule 40 and 80 pipe.
- Corrosion-resistant PVC.

Item No.	Specifications	U/M	Std. Pkg.
12361	[2622-005], 1/2" S x S	EA	5
12362	[2622-007], 3/4" S x S	EA	5
12363	[2622-010], 1" S x S	EA	5

CPVC FITTINGS

COUPLINGS

- NSF approved.
- Use for condensate lines.
- Better ductility and resistance to high pressures and temperatures.



Item No.	Specifications	U/M	Std. Pkg.
12364	1/2" S x S	EA	100
12365	3/4" S x S	EA	50

MALE ADAPTERS



Item No.	Specifications	U/M	Std. Pkg.
12366	1/2" S x MPT	EA	100
12367	3/4" S x MPT	EA	50

FEMALE ADAPTERS



Item No.	Specifications	U/M	Std. Pkg.
12368	1/2" S x FPT	EA	100
12369	3/4" S x FPT	EA	50

90° ELBOWS



Item No.	Specifications	U/M	Std. Pkg.
12370	1/2" S x S	EA	100
12371	3/4" S x S	EA	50

45° ELBOWS



Item No.	Specifications	U/M	Std. Pkg.
12372	1/2" S x S	EA	100
12373	3/4" S x S	EA	50

90° STREET ELBOWS



Item No.	Specifications	U/M	Std. Pkg.
12374	1/2" S x FTG	EA	100
12375	3/4" S x FTG	EA	50

TEES



Item No.	Specifications	U/M	Std. Pkg.
12376	1/2" S x S x S	EA	100
12377	3/4" S x S x S	EA	50

BUSHING



Item No.	Specifications	U/M	Std. Pkg.
12378	3/4" x 1/2"	EA	100

PVC PIPES

PVC TRAPS

- High tensile and impact strength.
- Resistant to acids, bases and salts.
- Easy installation.



Item No.	Specifications	U/M	Std. Pkg.
12415	3/4" SCH. 40 P-TRAP	EA	50
12416	3/4" SCH. 40 R-TRAP	EA	50
12417	3/4" SCH. 40 J-TRAP	EA	50
12418	1" SCH. 40 P-TRAP	EA	10
12419	1" SCH. 40 R-TRAP	EA	10



PVC PIPES

- High tensile and impact strength.
- Acid and alkali resistance.

Item No.	Specifications	U/M	Std. Pkg.
12443	1/2" 315 PSI	FT	10
12444	3/4" 200 PSI	FT	10
12445	3/4" SCH 40 400 PSI	FT	10
12446	1" 200 PSI	FT	10
12447	1" SCH 40	FT	10
12448	2-1/2" SCH 40	FT	10



DWV PIPES

- Good insulation, assuring a safe system.
- Resistant to acids, bases and salts, assuring a lower maintenance cost and a longer performance life.
- Resistant to compression and impact.

Item No.	Specifications	U/M	Std. Pkg.
12449	2" SCH 40	FT	10
12450	3" SCH 40	FT	10



CPVC PIPES

- Resistant to high temperatures, good impact strength .
- Convenient and reliable installation, low construction expenses.
- Excellent heat-insulation property from minimum thermal conductivity.

Item No.	Specifications	U/M	Std. Pkg.
12451	1/2"	FT	10
12452	3/4"	FT	10

NYLON BARB FITTINGS

- NPT threads.

MALE ADAPTERS



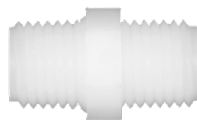
Item No.	Specifications	U/M	Std. Pkg.
13501	1/8" MPT x 3/8" Barb	EA	100
13502	1/4" MPT x 1/4" Barb	EA	100
13502R	1/4" MPT x 1/4" Barb, 10/PK	PK	1
13503	1/4" MPT x 3/8" Barb	EA	100
13504	1/4" MPT x 1/2" Barb	EA	100
13505	3/8" MPT x 1/4" Barb	EA	100
13505R	3/8" MPT x 1/4" Barb, 10/PK	PK	1
13506	3/8" MPT x 3/8" Barb	EA	100
13506R	3/8" MPT x 3/8" Barb, 10/PK	PK	1
13507	1/2" MPT x 1/4" Barb	EA	100
13508	1/2" MPT x 3/8" Barb	EA	100
13508R	1/2" MPT x 3/8" Barb, 8/PK	PK	1
13509	1/2" MPT x 1/2" Barb	EA	100
13509R	1/2" MPT x 1/2" Barb, 6/PK	PK	1
13510	1/2" MPT x 5/8" Barb	EA	100
13511	1/2" MPT x 3/4" Barb	EA	100
13512	3/4" MPT x 1/4" Barb	EA	100
13513	3/4" MPT x 3/8" Barb	EA	100
13514	3/4" MPT x 1/2" Barb	EA	100
13514R	3/4" MPT x 1/2" Barb, 4/PK	PK	1
13516	3/4" MPT x 3/4" Barb	EA	100
13516R	3/4" MPT x 3/4" Barb, 4/PK	PK	1
36001	3/4" MPT x 5/8" Barb Adapter	EA	100
36001R	3/4" MPT x 5/8" Barb, 4/PK	PK	1
13528	3/4" MGHT x 3/4" FPT	EA	100
13528R	3/4" MGHT x 3/4" FPT, 4/PK	PK	1
13529	3/4" MGHT x 3/4" MPT	EA	100
13529R	3/4" MGHT x 3/4" MPT, 4/PK	PK	1
13530	3/4" MGHT x 3/4" Barb	EA	100

FLAT SEATS



Item No.	Specifications	U/M	Std. Pkg.
13523	1/2" Barb Flat Seat	EA	100
13524	5/8" Barb Flat Seat	EA	100
13525	3/4" Barb Flat Seat	EA	100

NIPPLES



Item No.	Specifications	U/M	Std. Pkg.
13526	1/2" MPT x 1/2" MPT	EA	100
13527	3/4" MPT x 3/4" MPT	EA	100

FEMALE SWIVEL ADAPTERS



Item No.	Specifications	U/M	Std. Pkg.
13517	3/4" FPT x 1/2" Barb	EA	100
13517R	3/4" FPT x 1/2" Barb, 4/PK	PK	1
13518	3/4" FPT x 5/8" Barb Swivel Adapter	EA	100
13518R	3/4" FPT x 5/8" Barb, 4/PK	PK	1
13519	3/4" FGHT x 5/8" Barb	EA	100
13519R	3/4" FGHT x 5/8" Barb Swivel Adapter, 4/PK	PK	1
13520	3/4" FGHT x 3/4" Barb Swivel Adapter	EA	100

FEMALE SWIVEL NUTS- FEMALE GARDEN HOSE THREAD



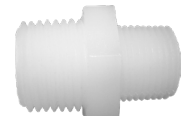
Item No.	Specifications	U/M	Std. Pkg.
13521	3/4" Fght Nylon Swivel Nut	EA	100
13521W	3/4" Garden Hose Nut Washer	EA	100

FEMALE SWIVEL NUTS



Item No.	Specifications	U/M	Std. Pkg.
13522	3/4" FPT Nylon Nut	EA	100

REDUCING NIPPLES



Item No.	Specifications	U/M	Std. Pkg.
13534	1/2" MPT x 3/8" MPT	EA	100
13535	3/4" MPT x 1/2" MPT	EA	100

BUSHINGS



Item No.	Specifications	U/M	Std. Pkg.
13531	1/2" MPT x 3/8" FPT	EA	100
13532	3/4" MPT x 1/2" FPT	EA	100
13532R	3/4" MPT x 1/2" FPT, 4/PK	PK	1
13533	1" MPT x 3/4" FPT Bushing	EA	100
13533R	1" MPT x 3/4" FPT, 4/PK	PK	1

ELBOWS MPT X BARB



Item No.	Specifications	U/M	Std. Pkg.
13541	1/4" MPT x 1/4" Barb	EA	100
13542	3/8" MPT x 1/4" Barb	EA	100
13543	3/8" MPT x 3/8" Barb	EA	100
13543R	3/8" MPT x 3/8" Barb, 4/PK	PK	1
13544	3/8" MPT x 1/2" Barb	EA	100
13545	3/8" MPT x 5/8" Barb	EA	100
13546	1/2" MPT x 3/8" Barb	EA	100
13546R	1/2" MPT x 3/8" Barb, 4/PK	PK	1
13547	1/2" MPT x 1/2" Barb	EA	100
13549	3/4" MPT x 1/4" Barb	EA	100
13550	3/4" MPT x 3/8" Barb	EA	100
13551	3/4" MPT x 1/2" Barb	EA	100
13551R	3/4" MPT x 1/2" Barb, 4/PK	PK	1
13552	3/4" MPT x 5/8" Barb	EA	100
13552R	3/4" MPT x 5/8" Barb, 4/PK	PK	1
13553	3/4" MPT x 3/4" Barb	EA	100
13553R	3/4" MPT x 3/4" Barb, 4/PK	PK	1

TEES BARB X MPT X BARB



Item No.	Specifications	U/M	Std. Pkg.
13562	3/16" Barb x 1/8" MPT x 3/16" Barb	EA	100
13563	1/4" Barb x 1/8" MPT x 1/4" Barb	EA	100
13564	1/2" Barb x 3/8" MPT x 1/2" Barb	EA	100
13565	1/2" Barb x 1/2" MPT x 1/2" Barb	EA	100

ELBOWS BARB X BARB



Item No.	Specifications	U/M	Std. Pkg.
13536	1/4" Barb x 1/4" Barb	EA	100
13537	3/8" Barb x 3/8" Barb	EA	100
13538	1/2" Barb x 1/2" Barb	EA	100
13538R	1/2" Barb x 1/2" Barb, 4/PK	PK	1
13539	5/8" Barb x 5/8" Barb	EA	100
13539R	5/8" Barb x 5/8" Barb, 4/PK	PK	1
13540	3/4" Barb x 3/4" Barb	EA	100
13540R	3/4" Barb x 3/4" Barb, 3/PK	PK	1

ELBOWS FPT X BARB



Item No.	Specifications	U/M	Std. Pkg.
13554	3/4" FPT x 1/2" Barb	EA	100
13554R	3/4" FPT x 1/2" Barb, 4/PK	PK	1
13555	3/4" FPT x 5/8" Barb	EA	100
13555R	3/4" FPT x 5/8" Barb, 4/PK	PK	1
13556	3/4" FPT x 3/4" Barb	EA	100
13556R	3/4" FPT x 3/4" Barb, 4/PK	PK	1

HOSE MENDERS



Item No.	Specifications	U/M	Std. Pkg.
13557	1/4" Barb x 1/4" Barb	EA	100
13558	3/8" Barb x 3/8" Barb	EA	100
13558R	3/8" Barb x 3/8" Barb, 5/PK	PK	1
13559	1/2" Barb x 1/2" Barb	EA	100
13559R	1/2" Barb x 1/2" Barb, 4/PK	PK	1
13560	5/8" Barb x 5/8" Barb Coupling	EA	100
13560R	5/8" Barb x 5/8" Barb Coupling, 4/PK	PK	1
13561	3/4" Barb x 3/4" Barb Coupling	EA	100
13561R	3/4" Barb x 3/4" Barb Coupling, 4/PK	PK	1

TEES BARB X BARB X BARB



Item No.	Specifications	U/M	Std. Pkg.
13566	1/4" Barb x 1/4" Barb x 1/4" Barb	EA	100
13567	3/8" Barb x 3/8" Barb x 3/8" Barb	EA	100
13568	1/2" Barb x 1/2" Barb x 1/2" Barb Tee	EA	100
13568R	1/2" Barb x 1/2" Barb x 1/2" Barb, 4/PK	PK	1
13569	1/2" Barb x 3/4" Barb x 1/2" Barb	EA	100
13570	5/8" Barb x 5/8" Barb x 5/8" Barb	EA	100
13570R	5/8" Barb x 5/8" Barb x 5/8" Barb, 4/PK	PK	1
13571	3/4" Barb x 3/4" Barb x 3/4" Barb	EA	100
13571R	3/4" Barb x 3/4" Barb x 3/4" Barb, 4/PK	PK	1

PLUGS



Item No.	Specifications	U/M	Std. Pkg.
13572	1/8" MPT	EA	100
13573	1/2" MPT	EA	100
13574	3/4" MPT	EA	100

MALLEABLE BLACK IRON PIPE FITTINGS

- UL Listed.
- National Pipe Taper (NPT) threads.
- Great rust resistance.

UNIONS



Item No.	Specifications	U/M	Std. Pkg.
12001	1/2"	EA	30
12002	3/4"	EA	25
12003	1"	EA	10
32258	1 1/2"	EA	1

COUPLINGS



Item No.	Specifications	U/M	Std. Pkg.
12004	1/2"	EA	75
12005	3/4"	EA	55
12006	1"	EA	25
32201	1-1/4"	EA	18
32202	1-1/2"	EA	12
32203	2"	EA	4

REDUCING COUPLINGS



Item No.	Specifications	U/M	Std. Pkg.
12007	1/2" x 1/4"	EA	1
12008	3/4" x 1/4"	EA	70
12009	3/4" x 1/2"	EA	50
12010	1" x 1/4"	EA	35
12011	1" x 1/2"	EA	35
12012	1" x 3/4"	EA	30
32204	1-1/4" x 1/2"	EA	1
32205	1-1/4" x 3/4"	EA	1
32206	1-1/4" x 1"	EA	1
32207	1-1/2" x 1/2"	EA	1
32208	1-1/2" x 3/4"	EA	15
32209	1-1/2" x 1"	EA	1
32210	1-1/2" x 1-1/4"	EA	1
32211	2" x 3/4"	EA	6
32212	2" x 1"	EA	1
32213	2" x 1-1/4"	EA	1
32214	2" x 1-1/2"	EA	1

90° ELBOW



Item No.	Specifications	U/M	Std. Pkg.
12013	1/2"	EA	55
12014	3/4"	EA	35
12015	1"	EA	15
32215	1-1/4"	EA	8
32216	1-1/2"	EA	20
32217	2"	EA	20

90° STREET ELBOWS


Item No.	Specifications	U/M	Std. Pkg.
12016	1/2"	EA	70
12017	3/4"	EA	30
12018	1"	EA	15

REDUCING TEES


Item No.	Specifications	U/M	Std. Pkg.
12025	3/4" x 1/2" x 1/2"	EA	25
12026	3/4" x 3/4" x 1/2"	EA	25
32226	1/2" x 1/2" x 3/4"	EA	30
32227	3/4" x 1/2" x 3/4"	EA	20
32228	3/4" x 3/4" x 1"	EA	20
32229	1" x 1/2" x 1/2"	EA	10
32230	1" x 1/2" x 1"	EA	10
32231	1" x 3/4" x 1/2"	EA	10
32232	1" x 3/4" x 3/4"	EA	10
32233	1" x 1" x 1/2"	EA	10
32234	1" x 1" x 3/4"	EA	10
32235	1-1/4" x 3/4" x 3/4"	EA	6
32236	1-1/4" x 3/4" x 1-1/4"	EA	6
32237	1-1/4" x 1/2" x 1-1/4"	EA	6
32238	1-1/4" x 1" x 1"	EA	6
32239	1-1/4" x 1-1/4" x 1/2"	EA	6
32240	1-1/4" x 1-1/4" x 3/4"	EA	6
32241	1-1/4" x 1-1/4" x 1"	EA	6
32242	1-1/2" x 1-1/2" x 3/4"	EA	6
32243	1-1/2" x 1-1/2" x 1/2"	EA	6
32244	1-1/2" x 1-1/2" x 1"	EA	6
32245	1-1/2" x 1-1/2" x 1-1/4"	EA	6
32246	2" x 2" x 1/2"	EA	4
32247	2" x 2" x 3/4"	EA	4
32248	2" x 2" x 1"	EA	4
32249	2" x 2" x 1-1/4"	EA	4
32250	2" x 2" x 1-1/2"	EA	4

PLUGS


Item No.	Specifications	U/M	Std. Pkg.
12034	1/2"	EA	200
12035	3/4"	EA	50
12036	1"	EA	60
32255	1-1/4"	EA	40
32256	1-1/2"	EA	40
32257	2"	EA	40

45° ELBOW


Item No.	Specifications	U/M	Std. Pkg.
12019	1/2"	EA	65
12020	3/4"	EA	40
12021	1"	EA	20
32220	1-1/4"	EA	20
32221	1-1/2"	EA	20
32222	2"	EA	20

TEES


Item No.	Specifications	U/M	Std. Pkg.
12022	1/2"	EA	30
12023	3/4"	EA	20
12024	1"	EA	10
32223	1-1/4"	EA	6
32224	1-1/2"	EA	6
32225	2"	EA	4

HEX BUSHINGS


Item No.	Specifications	U/M	Std. Pkg.
12027	1/2" x 3/8"	EA	150
12028	3/4" x 1/2"	EA	125
12029	1" x 1/2"	EA	80
12030	1" x 3/4"	EA	70
32251	1-1/4" x 1"	EA	50

CAPS


Item No.	Specifications	U/M	Std. Pkg.
12031	1/2"	EA	150
12032	3/4"	EA	75
12033	1"	EA	50
32252	1-1/4"	EA	25
32253	1-1/2"	EA	25
32254	2"	EA	12

90° REDUCING ELBOW


Item No.	Specifications	U/M	Std. Pkg.
32218	3/4" x 1/2"	EA	20
32219	1" x 3/4"	EA	20

BLACK STEEL PIPE & NIPPLES

- Nipple for joining two pipes or extending pipe length.
- National Pipe Taper (NPT) threads.
- Threaded on both ends.
- Made from steel for greater rust resistance than iron.



1/2" BLACK STEEL WELDED NIPPLES

Item No.	Specifications	U/M	Std. Pkg.
12101	1/2" x CL	EA	25
12102	1/2" x 1-1/2"	EA	25
12103	1/2" x 2"	EA	25
12104	1/2" x 2-1/2"	EA	25
12105	1/2" x 3"	EA	25
12106	1/2" x 3-1/2"	EA	25
12107	1/2" x 4"	EA	25
12108	1/2" x 4-1/2"	EA	25
12109	1/2" x 5"	EA	25
12110	1/2" x 5-1/2"	EA	25
12111	1/2" x 6"	EA	25
12112	1/2" x 7"	EA	25
12113	1/2" x 8"	EA	25
12114	1/2" x 9"	EA	25
12115	1/2" x 10"	EA	25
12116	1/2" x 11"	EA	25
12117	1/2" x 12"	EA	25

3/4" BLACK STEEL WELDED NIPPLES

Item No.	Specifications	U/M	Std. Pkg.
12118	3/4" x CL	EA	25
12119	3/4" x 1-1/2"	EA	25
12120	3/4" x 2"	EA	25
12121	3/4" x 2-1/2"	EA	25
12122	3/4" x 3"	EA	25
12123	3/4" x 3-1/2"	EA	25
12124	3/4" x 4"	EA	25
12125	3/4" x 4-1/2"	EA	25
12126	3/4" x 5"	EA	25
12127	3/4" x 5-1/2"	EA	25
12128	3/4" x 6"	EA	25
12129	3/4" x 7"	EA	25
12130	3/4" x 8"	EA	25
12131	3/4" x 9"	EA	25
12132	3/4" x 10"	EA	25
12133	3/4" x 11"	EA	25
12134	3/4" x 12"	EA	25

1" BLACK STEEL WELDED NIPPLES

Item No.	Specifications	U/M	Std. Pkg.
12135	1" x CL	EA	25
12136	1" x 2"	EA	25
12137	1" x 2-1/2"	EA	25
12138	1" x 3"	EA	25
12139	1" x 3-1/2"	EA	25
12140	1" x 4"	EA	25
12141	1" x 4-1/2"	EA	25
12142	1" x 5"	EA	25
12143	1" x 5-1/2"	EA	25
12144	1" x 6"	EA	25
12145	1" x 7"	EA	25
12146	1" x 8"	EA	25
12147	1" x 9"	EA	20
12148	1" x 10"	EA	20
12149	1" x 11"	EA	20
12150	1" x 12"	EA	20

BLACK STEEL WELDED NIPPLES PACKS

- Size of 1/2", 3/4", 1" black steel nipple sets.
- Assortment pack, 6 each of CL to 6".
- National Pipe Taper (NPT) threads.

Item No.	Specifications	U/M	Std. Pkg.
12151	66 Piece 1/2"	EA	1
12152	66 Piece 3/4"	EA	1
12153	60 Piece 1"	EA	1



- Nipple for joining two pipes or extending pipe length.
- National Pipe Taper (NPT) threads.
- Threaded on both ends.
- Made from steel for greater rust resistance than iron.



1/2" BLACK STEEL READY CUT PIPES

Item No.	Specifications	U/M	Std. Pkg.
12154	1/2" x 18"	EA	5
12155	1/2" x 24"	EA	5
12156	1/2" x 30"	EA	5
12157	1/2" x 36"	EA	5
12158	1/2" x 48"	EA	5
12159	1/2" x 60"	EA	5
12160	1/2" x 72"	EA	5

3/4" BLACK STEEL READY CUT PIPES

Item No.	Specifications	U/M	Std. Pkg.
12161	3/4" x 18"	EA	5
12162	3/4" x 24"	EA	5
12163	3/4" x 30"	EA	5
12164	3/4" x 36"	EA	5
12165	3/4" x 48"	EA	5
12166	3/4" x 60"	EA	5
12167	3/4" x 72"	EA	5

1" BLACK STEEL READY CUT PIPES

Item No.	Specifications	U/M	Std. Pkg.
12168	1" x 18"	EA	5
12169	1" x 24"	EA	5
12170	1" x 30"	EA	5
12171	1" x 36"	EA	5
12172	1" x 48"	EA	3
12173	1" x 60"	EA	3
12174	1" x 72"	EA	3

BRASS FITTINGS

- Brass for corrosion resistance, ductility at high temperatures, and low magnetic permeability.
- NPT threads.

COMPRESSION "O" RING



Item No.	Specifications	U/M	Std. Pkg.
12601	1/4"	EA	10
12602	1/2"	EA	10
12603	5/8"	EA	10
34691	1/8"	EA	10
34692	3/16"	EA	10
34693	5/16"	EA	10
34694	3/8"	EA	10
34695	3/4"	EA	10
34696	7/8"	EA	10

COMPRESSION NUTS



Item No.	Specifications	U/M	Std. Pkg.
12608	1/4"	EA	10
12609	1/2"	EA	10
34683	1/8"	EA	10
34684	3/16"	EA	10
34685	5/16"	EA	10
34686	3/8"	EA	10
34687	7/16"	EA	10
34688	5/8"	EA	10
34689	3/4"	EA	10
34690	7/8"	EA	10

COMPRESSION UNIONS



Item No.	Specifications	U/M	Std. Pkg.
12612	1/4"	EA	10
12613	3/8"	EA	10
12614	1/2"	EA	10
12615	5/8"	EA	10
34631	1/8"	EA	10
34632	3/16"	EA	10
34633	1/4" x 1/8"	EA	10
34634	5/16"	EA	10
34635	3/8" x 1/4"	EA	10
34636	1/2" x 3/8"	EA	10
34637	5/8" x 3/8"	EA	10
34638	5/8" x 1/2"	EA	10
34639	3/4"	EA	10
34640	7/8"	EA	10

FLARE X MIP 90° ELBOWS



Item No.	Specifications	U/M	Std. Pkg.
12618	1/4" x 1/4"	EA	10
12619	3/8" x 3/8"	EA	10
12620	1/2" x 1/2"	EA	10
12621	3/4" x 3/4"	EA	10
12640	3/8" x 1/4"	EA	10
12641	3/8" x 1/2"	EA	10
12642	1/2" x 3/4"	EA	10
12643	5/8" x 1/2"	EA	10
34531	3/16" x 3/16"	EA	10
34532	1/4" x 1/8"	EA	10
34534	1/4" x 1/2"	EA	10
34535	1/4" x 3/8"	EA	10
34536	3/8" x 1/8"	EA	10
34537	3/8" x 3/4"	EA	10
34538	1/2" x 1/4"	EA	10
34539	1/2" x 3/8"	EA	10
34540	5/8" x 3/8"	EA	10
34541	5/8" x 3/4"	EA	10
34542	3/4" x 1/2"	EA	10

COMPRESSION X MIP ADAPTERS



Item No.	Specifications	U/M	Std. Pkg.
12624	1/4" x 1/4"	EA	10
12625	3/8" x 3/8"	EA	10
12626	1/2" x 1/2"	EA	10
12627	3/8" x 1/2"	EA	10
34659	1/8" x 1/8"	EA	10
34660	3/16" x 1/8"	EA	10
34661	1/4" x 1/8"	EA	10
34662	1/4" x 3/8"	EA	10
34663	1/4" x 1/2"	EA	10
34664	5/16" x 1/8"	EA	10
34665	5/16" x 1/4"	EA	10
34666	3/8" x 1/8"	EA	10
34667	3/8" x 1/4"	EA	10
34668	3/8" x 3/4"	EA	10
34669	1/2" x 1/4"	EA	10
34670	1/2" x 3/8"	EA	10
34671	5/8" x 3/8"	EA	10
34672	5/8" x 1/2"	EA	10
34673	5/8" x 3/4"	EA	10
34674	3/4" x 1/2"	EA	10
34675	3/4" x 3/4"	EA	10
34676	7/8" x 3/4"	EA	10

ALL COMPRESSION TEES



Item No.	Specifications			U/M	Std. Pkg.
	A	B	C		
12632	1/8" x 1/8" x 1/8"			EA	10
12633	3/16" x 3/16" x 3/16"			EA	10
12634	5/16" x 5/16" x 5/16"			EA	10
12635	1/4" x 1/4" x 1/4"			EA	10
12636	3/8" x 3/8" x 3/8"			EA	10
12637	1/2" x 1/2" x 1/2"			EA	10
12638	5/8" x 5/8" x 5/8"			EA	10
12639	3/8" x 3/8" x 1/4"			EA	10

FLARE PLUGS



Item No.	Specifications	U/M	Std. Pkg.
12664	1/4"	EA	10
12665	3/8"	EA	10
12666	1/2"	EA	10
12667	5/8"	EA	10
34181	5/16"	EA	10

COMPRESSION X MIP
90° ELBOWS

Item No.	Specifications	U/M	Std. Pkg.
12630	1/4" x 1/8"	EA	10
12631	1/2" x 1/2"	EA	10
34618	1/8" x 1/8"	EA	10
34619	3/16" x 1/8"	EA	10
34620	1/4" x 1/4"	EA	10
34621	5/16" x 1/8"	EA	10
34622	5/16" x 1/4"	EA	10
34623	3/8" x 1/8"	EA	10
34624	3/8" x 1/4"	EA	10
34625	3/8" x 3/8"	EA	10
34626	3/8" x 1/2"	EA	10
34627	1/2" x 3/8"	EA	10
34628	5/8" x 3/8"	EA	10
34629	5/8" x 1/2"	EA	10
34630	3/4" x 1/2"	EA	10

FLARE SHORT
BAR STOCK NUTS

Item No.	Specifications	U/M	Std. Pkg.
12645	3/16"	EA	10
12646	1/4"	EA	10
12647	3/8"	EA	10
12648	5/8"	EA	10
12649	3/4"	EA	10
12650	7/8"	EA	10
34001	5/16"	EA	10
34002	1/2"	EA	10

FLARE CAPS



Item No.	Specifications	U/M	Std. Pkg.
12652	1/4"	EA	10
12653	3/8"	EA	10
34171	3/16"	EA	10
34172	5/16"	EA	10
34173	1/2"	EA	10
34174	5/8"	EA	10
34175	3/4"	EA	10

FLARE SHORT FORGED NUTS



Item No.	Specifications	U/M	Std. Pkg.
12656	1/4"	EA	10
12657	3/8"	EA	10
12658	1/2"	EA	10
12659	5/8"	EA	10
12660	3/4"	EA	10
12661	7/8"	EA	5
34003	3/16"	EA	10
34004	5/16"	EA	10
34005	3/8" x 1/4"	EA	10
34006	1/2" x 3/8"	EA	10
34007	5/8" x 1/2"	EA	10

FLARE TEES



Item No.	Specifications			U/M	Std. Pkg.
	A	B	C		
12670	1/4"	1/4"	1/4"	EA	10
12671	3/8"	3/8"	3/8"	EA	10
12672	1/2"	1/2"	1/2"	EA	10
12673	5/8"	5/8"	5/8"	EA	10
34543	5/16"	5/16"	5/16"	EA	10
34544	3/8"	3/8"	1/4"	EA	10
34545	3/8"	3/8"	1/2"	EA	10
34546	1/2"	3/8"	1/2"	EA	10
34547	1/2"	1/2"	3/8"	EA	10
34548	1/2"	1/2"	5/8"	EA	10
34549	5/8"	1/2"	5/8"	EA	10
34550	5/8"	5/8"	3/8"	EA	10
34551	5/8"	5/8"	1/2"	EA	10

FLARE X MIP ADAPTERS



Item No.	Specifications	U/M	Std. Pkg.
34141	3/16" x 1/8"	EA	10
12675	1/4" x 1/8"	EA	10
12676	1/4" x 1/4"	EA	10
34142	1/4" x 3/8"	EA	10
34143	5/16" x 1/8"	EA	10
34144	5/16" x 1/4"	EA	10
34145	3/8" x 1/8"	EA	10
12677	3/8" x 1/4"	EA	10
12678	3/8" x 3/8"	EA	10
12679	3/8" x 1/2"	EA	10
12680	3/8" x 3/4"	EA	10
12681	1/2" x 1/4"	EA	10
34146	1/2" x 3/8"	EA	10
12682	1/2" x 1/2"	EA	10
12683	1/2" x 3/4"	EA	10
34147	5/8" x 3/8"	EA	10
12684	5/8" x 1/2"	EA	10
12685	5/8" x 3/4"	EA	10
12686	3/4" x 1/2"	EA	10
34148	3/4" x 3/4"	EA	10
34149	7/8" x 3/4"	EA	10

FLARE UNIONS



Item No.	Specifications	U/M	Std. Pkg.
12687	1/4"	EA	10
12688	3/8"	EA	10
12689	1/2"	EA	10
12690	5/8"	EA	10
12691	3/4"	EA	10
12692	7/8"	EA	10
34111	3/16"	EA	10
34112	5/16"	EA	10
34113	3/8" x 1/4"	EA	10
34114	1/2" x 1/4"	EA	10
34115	1/2" x 3/8"	EA	10
34116	5/8" x 3/8"	EA	10
34117	5/8" x 1/2"	EA	10
34118	3/4" x 1/2"	EA	10

FLARE SWIVEL NUT UNIONS



Item No.	Specifications	U/M	Std. Pkg.
12696	1/4"	EA	10
12697	3/8"	EA	10
34155	1/2" x 3/8"	EA	10
34156	1/2"	EA	10
34157	5/8" x 1/2"	EA	10
34158	5/8"	EA	10

FLARE X MIP ADAPTERS



Item No.	Specifications	U/M	Std. Pkg.
12698	1/4" x 1/2"	EA	10
12699	1/4" x 1/2"	EA	10

FLARE X FIP ADAPTERS



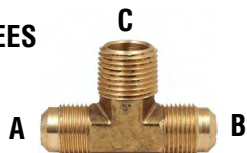
Item No.	Specifications	U/M	Std. Pkg.
12693	3/8" x 1/2"	EA	10
12694	1/2" x 1/2"	EA	10
12695	5/8" x 3/4"	EA	10
34121	1/4" x 1/8"	EA	10
34122	1/4" x 1/4"	EA	10
34123	1/4" x 3/8"	EA	10
34124	3/8" x 1/8"	EA	10
34125	3/8" x 1/4"	EA	10
34126	3/8" x 3/8"	EA	10
34127	3/8" x 3/4"	EA	10
34128	1/2" x 1/4"	EA	10
34129	1/2" x 3/8"	EA	10
34130	1/2" x 3/4"	EA	10
34131	5/8" x 3/8"	EA	10
34132	5/8" x 1/2"	EA	10
34133	3/4" x 3/4"	EA	10

BRASS INSERT, BARB



Item No.	Specifications	U/M	Std. Pkg.
22910	1/4" Brass Insert, Lead Free	EA	10
22911	5/16" Brass Insert, Lead Free	EA	10
22912	3/8" Brass Insert, Lead Free	EA	10
22913	1/2" Brass Insert, Lead Free	EA	10
22914	5/8" Brass Insert, Lead Free	EA	10

FLARE X FLARE X MIP TEES



Item No.	Specifications	U/M	Std. Pkg.
	A B C		
34552	1/4" x 1/4" x 1/8"	EA	10
34553	1/4" x 1/4" x 1/4"	EA	10
34554	3/8" x 3/8" x 1/4"	EA	10
34555	3/8" x 3/8" x 3/8"	EA	10
34556	3/8" x 3/8" x 1/2"	EA	10
34557	1/2" x 1/2" x 3/8"	EA	10
34558	1/2" x 1/2" x 1/2"	EA	10
34559	5/8" x 5/8" x 1/2"	EA	10

FLARE X FIP 90° ELBOWS



Item No.	Specifications	U/M	Std. Pkg.
32026	5/8" x Fip	EA	10

FLARE X FIP 90° ELBOWS



Item No.	Specifications	U/M	Std. Pkg.
34511	1/4" x 1/8"	EA	10
34512	1/4" x 1/4"	EA	10
34513	3/8" x 1/4"	EA	10
34514	3/8" x 3/8"	EA	10
34515	3/8" x 1/2"	EA	10
34516	3/8" x 3/4"	EA	10
34517	1/2" x 1/4"	EA	10
34518	1/2" x 3/8"	EA	10
34519	1/2" x 1/2"	EA	10
34520	1/2" x 3/4"	EA	10
34521	5/8" x 3/8"	EA	10
34522	5/8" x 1/2"	EA	10

FLARE 90° ELBOWS



Item No.	Specifications	U/M	Std. Pkg.
34501	1/4"	EA	10
34502	3/8"	EA	10
34503	1/2" x 3/8"	EA	10
34504	1/2"	EA	10
34505	5/8" x 3/8"	EA	10
34506	5/8" x 1/2"	EA	10
34507	5/8"	EA	10

FLARE CROSSES



Item No.	Specifications	U/M	Std. Pkg.
34560	3/8"	EA	10
34561	1/2"	EA	10

**FLARE LONG SHANK
FLARE NUTS**



Item No.	Specifications	U/M	Std. Pkg.
34562	1/4"	EA	10
34563	5/16"	EA	10
34564	3/8"	EA	10
34565	1/2"	EA	10
34566	5/8"	EA	10

**FEMALE FLARE X
MALE FLARE ADAPTER**



Item No.	Specifications	U/M	Std. Pkg.
34567	3/8" x 1/4"	EA	10
34568	3/8" x 1/2"	EA	10
34569	1/2" x 3/8"	EA	10
34570	5/8" x 1/2"	EA	10

FLARE BONNETS



Item No.	Specifications	U/M	Std. Pkg.
34572	1/4"	EA	10
34573	3/8"	EA	10
34574	1/2"	EA	10
34575	5/8"	EA	10

**FLARE X SWEAT
ADAPTERS**



Item No.	Specifications	U/M	Std. Pkg.
34571	3/8" Flare x 3/8" Sweat	EA	10

**COMPRESSION
90° ELBOWS**



Item No.	Specifications	U/M	Std. Pkg.
34605	1/4"	EA	10
34606	5/16"	EA	10
34607	3/8"	EA	10
34608	1/2"	EA	10
34609	5/8"	EA	10
34610	3/4"	EA	10
34611	7/8"	EA	10

FLARE GASKETS



Item No.	Specifications	U/M	Std. Pkg.
34576	1/4"	EA	10
34577	3/8"	EA	10
34578	1/2"	EA	10

COMPRESSION CAP



Item No.	Specifications	U/M	Std. Pkg.
34601	1/4"	EA	10
34602	3/8"	EA	10
34603	1/2"	EA	10
34604	5/8"	EA	10

**COMPRESSION X MALE
FLARE ADAPTER**



Item No.	Specifications	U/M	Std. Pkg.
34579	1/4" Compression x 1/4" Male Flare	EA	10

COMPRESSION X FIP 90° ELBOWS



Item No.	Specifications	U/M	Std. Pkg.
34612	1/4" x 1/4"	EA	10
34613	3/8" x 3/8"	EA	10
34614	3/8" x 1/2"	EA	10
34615	1/2" x 1/2"	EA	10
34616	1/2" x 3/8"	EA	10
34617	5/8" x 1/2"	EA	10

COMPRESSION X COMPRESSION X MIP TEES



Item No.	Specifications			U/M	Std. Pkg.
	A	B	C		
34677	1/4" x 1/4" x 1/8"			EA	10
34678	1/4" x 1/4" x 1/4"			EA	10
34679	3/8" x 3/8" x 1/4"			EA	10
34680	3/8" x 3/8" x 3/8"			EA	10
34681	1/2" x 1/2" x 1/2"			EA	10
34682	5/8" x 5/8" x 1/2"			EA	10

DELRI SLEEVES



Item No.	Specifications	U/M	Std. Pkg.
34697	1/4" (100/PK)	PK	1
34698	5/16" (100/PK)	PK	1
34699	3/8" (100/PK)	PK	1
34700	1/2" (100/PK)	PK	1
34701	5/8" (100/PK)	PK	1

MIP HEX HEAD PLUGS



Item No.	Specifications	U/M	Std. Pkg.
34715	1/8"	EA	10
34716	1/4"	EA	10
34717	3/8"	EA	10
34718	1/2"	EA	10
34719	3/4"	EA	10

COMPRESSION X FIP ADAPTERS



Item No.	Specifications	U/M	Std. Pkg.
34645	3/16" x 1/8"	EA	10
34646	1/4" x 1/8"	EA	10
34647	1/4" x 1/4"	EA	10
34648	1/4" x 1/2"	EA	10
34649	3/8" x 1/8"	EA	10
34650	3/8" x 1/4"	EA	10
34651	3/8" x 3/8"	EA	10
34652	3/8" x 1/2"	EA	10
34653	1/2" x 3/8"	EA	10
34654	1/2" x 1/2"	EA	10
34655	1/2" x 3/4"	EA	10
34656	5/8" x 1/2"	EA	10
34657	5/8" x 3/4"	EA	10
34658	7/8" x 3/4"	EA	10

FIP X MIP ADAPTERS



Item No.	Specifications	U/M	Std. Pkg.
34705	1/8" x 1/8"	EA	10
34706	1/4" x 1/8"	EA	10
34707	1/4" x 1/4"	EA	10
34708	3/8" x 1/8"	EA	10
34709	3/8" x 3/8"	EA	10
34710	1/2" x 1/4"	EA	10
34711	1/2" x 3/8"	EA	10
34712	1/2" x 1/2"	EA	10
34713	3/4" x 1/2"	EA	10
34714	3/4" x 3/4"	EA	10

MIP HEX NIPPLE LEAD FREES



Item No.	Specifications	U/M	Std. Pkg.
34720	1/8"	EA	10
34721	1/4" x 1/8"	EA	10
34722	1/4"	EA	10
34723	3/8"	EA	10
34724	1/2" x 3/8"	EA	10
34725	1/2"	EA	10
34726	3/4"	EA	10

HOSE BARB X FIP ADAPTERS



Item No.	Specifications	U/M	Std. Pkg.
34730	1/8" x 1/4"	EA	10
34731	3/16" x 1/8"	EA	10
34732	3/16" x 1/4"	EA	10
34733	1/4" x 1/8"	EA	10
34734	1/4" x 1/4"	EA	10
34735	5/16" x 1/8"	EA	10
34736	5/16" x 1/4"	EA	10
34737	5/16" x 3/8"	EA	10
34738	3/8" x 1/8"	EA	10
34739	3/8" x 1/4"	EA	10
34740	3/8" x 3/8"	EA	10
34741	3/8" x 1/2"	EA	10
34742	1/2" x 3/8"	EA	10
34743	1/2" x 1/2"	EA	10

HOSE BARB X MIP ADAPTERS



Item No.	Specifications	U/M	Std. Pkg.
34746	1/8" x 1/8"	EA	10
34747	1/8" x 1/4"	EA	10
34748	3/16" x 1/8"	EA	10
34749	3/16" x 1/4"	EA	10
34750	1/4" x 1/8"	EA	10
34751	1/4" x 1/4"	EA	10
34752	1/4" x 3/8"	EA	10
34753	1/4" x 1/2"	EA	10
34754	5/16" x 1/8"	EA	10
34755	5/16" x 1/4"	EA	10
34756	5/16" x 3/8"	EA	10
34757	3/8" x 1/8"	EA	10
34758	3/8" x 1/4"	EA	10
34759	3/8" x 3/8"	EA	10
34760	3/8" x 1/2"	EA	10
34761	3/8" x 3/4"	EA	10
34762	1/2" x 1/4"	EA	10
34763	1/2" x 3/8"	EA	10
34764	1/2" x 1/2"	EA	10
34765	1/2" x 3/4"	EA	10
34766	5/8" x 3/8"	EA	10
34767	5/8" x 1/2"	EA	10
34768	5/8" x 3/4"	EA	10
34769	3/4" x 1/2"	EA	10
34770	3/4" x 3/4"	EA	10
34771	1" x 3/4"	EA	10
34772	1" x 1"	EA	10

BARB X FEMALE SWIVEL ADAPTERS



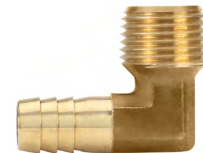
Item No.	Specifications	U/M	Std. Pkg.
34744	1/4" x 3/8"	EA	10
34745	3/8" x 3/8"	EA	10

HOSE BARB COUPLINGS



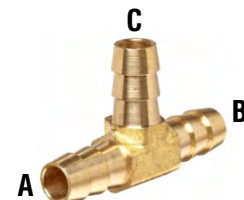
Item No.	Specifications	U/M	Std. Pkg.
34773	3/16"	EA	10
34774	1/4"	EA	10
34775	5/16"	EA	10
34776	3/8"	EA	10
34777	1/2"	EA	10
34778	5/8"	EA	10
34779	3/4"	EA	10

BARB 90° ELBOWS



Item No.	Specifications	U/M	Std. Pkg.
34780	3/4"	EA	10
34781	1-1/4"	EA	10

BARB TEES



Item No.	Specifications	U/M	Std. Pkg.
	A B C		
34787	3/4" x 3/4" x 3/4"	EA	10
34788	1" x 1" x 1"	EA	10
34789	1-1/4" x 1-1/4" x 1-1/4"	EA	10
34790	1-1/2" x 1-1/2" x 1-1/2"	EA	10

**FEMALE HOSE
SWIVEL ADAPTERS**

Item No.	Specifications	U/M	Std. Pkg.
34801	3/4"	EA	10

**FEMALE HOSE
X FIP ADAPTERS**

Item No.	Specifications	U/M	Std. Pkg.
34802	3/4" x 1/2"	EA	10
34803	3/4" x 3/4"	EA	5

**FEMALE HOSE X
MIP ADAPTERS**

Item No.	Specifications	U/M	Std. Pkg.
34806	3/4" x 1/2"	EA	10
34807	3/4" x 3/4"	EA	10

HOSE THREAD CAPS

Item No.	Specifications	U/M	Std. Pkg.
34819	3/4"	EA	10
34820	3/4"	EA	10

**BARB X LHFEMALE
SWIVEL ADAPTERS**

Item No.	Specifications	U/M	Std. Pkg.
34822	1/4" x 9/16"	EA	10
34823	3/8" x 9/16"	EA	10

**FEMALE HOSE X FIP
SWIVEL ADAPTERS**

Item No.	Specifications	U/M	Std. Pkg.
34804	3/4" x 1/2"	EA	10
34805	3/4" x 3/4"	EA	10

**FEMALE HOSE SWIVEL
X COMPRESSION
SWIVEL ELBOWS**

Item No.	Specifications	U/M	Std. Pkg.
34816	3/4" x 1/4"	EA	10
34817	3/4" x 3/8"	EA	10
34818	3/4" x 1/2"	EA	10

MALE HOSE X FIP ADAPTER

Item No.	Specifications	U/M	Std. Pkg.
34810	3/4" x 1/2"	EA	10
34811	3/4" x 3/4"	EA	10

**MALE HOSE X MIP
ADAPTERS**

Item No.	Specifications	U/M	Std. Pkg.
34812	3/4" x 3/4"	EA	10
34813	3/4" x 3/8"	EA	10
34814	3/4" x 1/2"	EA	10
34815	3/4" x 3/4"	EA	10

FEMALE HOSE X COMPRESSION ADAPTERS



Item No.	Specifications	U/M	Std. Pkg.
34821	3/4" x 1/4"	EA	10

BARB X MALE FLARE ADAPTERS



Item No.	Specifications	U/M	Std. Pkg.
34824	1/4" x 3/8"	EA	10
34825	3/8" x 3/8"	EA	10

BARB X MIP 90° ELBOW



Item No.	Specifications	U/M	Std. Pkg.
34782	1/4" BARB X 1/8" MIP , LEAD FREE	EA	10
34783	1/4" BARB X 1/4" MIP , LEAD FREE	EA	10
34784	3/8" BARB X 1/8" MIP , LEAD FREE	EA	10
34785	3/8" BARB X 1/4" MIP , LEAD FREE	EA	10
34786	3/4" BARB X 3/4" MIP , LEAD FREE	EA	10

MALE HOSE X MALE HOSE COUPLING



Item No.	Specifications	U/M	Std. Pkg.
34809	3/4"	EA	10

COPPER TUBING COPPER PANCAKE COIL



- Copper refrigerator tube has the features of high temperature resistance, corrosion resistance, oxidation resistance, durability, long service life.
- Having strong heat transfer capability because the copper tubes are hollow.
- Good heat dissipation and refrigeration capability, high strength at low temperature.
- High dimensional accuracy. Smooth bending allows copper tubes to bend at any angle.
- Refrigerator tubing is not only used for refrigerator, freezer and air conditioner as refrigeration tubing coil, but also used as a HVAC system pipe.

Item No.	Specifications	U/M	Std. Pkg.
90001	1/4" OD X 50'	EA	1
90002	5/16" OD X 50'	EA	1
90003	3/8" OD X 50'	EA	1
90004	1/2" OD X 50'	EA	1
90005	5/8" OD X 50'	EA	1
90006	3/4" OD X 50'	EA	1
90007	7/8" OD X 50'	EA	1
90008	1 1/8" OD X 50'	EA	1

STAINLESS STEEL INSERT

- Made of stainless steel, it is highly rust and corrosion resistant, can withstand harsh weather conditions and remains structurally intact even in wet areas.
- Wide range of uses, suitable for various occasions and materials.
- Portable and easy to use.



Item No.	Specifications	U/M	Std. Pkg.
22900	1/4" Stainless Steel Insert	EA	10
22901	3/8" Stainless Steel Insert	EA	10
22902	1/2" Stainless Steel Insert	EA	10

CONDUIT & FITTINGS

N/M FITTINGS CONDUIT WHIPS

- UL Listed.
- Cable consists of insulated conductors inserted into a non-metallic conduit with PVC connectors.
- Be designed for reliable use as a connection between air conditioning unit and electrical power source.
- UL and cUL Listed. The seal proof power whip assembly is assembled with all UL components designed for easy installation.
- Three distinct wire colors for ease of hook-up.

Item No.	Specifications	U/M	Std. Pkg.
15801	1/2" x 4' 10GA N/M Fittings Conduit Whip	EA	24
15802	1/2" x 6' 10GA N/M Fittings Conduit Whip	EA	24
15803	3/4" x 4' 8GA W/Ground N/M Fittings Conduit Whip	EA	24
15804	3/4" x 6' 8GA W/Ground N/M Fittings Conduit Whip	EA	12



M FITTINGS CONDUIT WHIPS

- UL Listed.
- Cable consists of insulated conductors inserted into a non-metallic conduit with zinc alloy connectors.
- Be designed for reliable use as a connection between air conditioning unit and electrical power source.
- Whip is a labor-saving and convenient tool kit for A / C unit connection.
- Three distinct wire colors for ease of hook-up.

Item No.	Specifications	U/M	Std. Pkg.
15805	1/2" x 4' 10GA M Fittings Conduit Whip	EA	24
15806	1/2" x 6' 10GA M Fittings Conduit Whip	EA	24
15807	3/4" x 4' 8GA W/Ground M Fittings Conduit Whip	EA	24
15808	3/4" x 6' 8GA W/Ground M Fittings Conduit Whip	EA	12



PVC CONDUIT FITTINGS

- UL Listed.
- Used to terminate and seal liquid.
- Connectors can be used with tapered thread female entry or unthreaded knock-out using the provided sealing washer and locknut.
- No disassembly required & reusable.

Item No.	Specifications	U/M	Std. Pkg.
15809	1/2" Multi-Piece Liquid-Tite PVC Conduit Fitting	EA	25
15810	3/4" Multi-Piece Liquid-Tite PVC Conduit Fitting	EA	10
15811	1/2" 90° Elbow Multi-Piece Liquid-Tite PVC Conduit Fitting	EA	10
15812	3/4" 90° Elbow Multi-Piece Liquid-Tite PVC Conduit Fitting	EA	10



NYLON CONDUIT FITTINGS

- UL Listed.
- Used to terminate and seal liquid.
- Connectors can be used with tapered thread female entry or unthreaded knock-out using the provided sealing washer and locknut.
- No disassembly required & reusable.

Item No.	Specifications	U/M	Std. Pkg.
15813	1/2" Multi-Piece Liquid-Tite Nylon Conduit Fitting, Straight	EA	25
15814	3/4" Multi-Piece Liquid-Tite Nylon Conduit Fitting, Straight	EA	10
15815	1/2" 90° Elbow Multi-Piece Liquid-Tite Nylon Conduit Fitting	EA	10
15816	3/4" 90° Elbow Multi-Piece Liquid-Tite Nylon Conduit Fitting	EA	10





METALLIC CONDUIT FITTINGS

- UL Listed.
- Easy installation and provides a perfect seal.
- Included sealing washer provides liquid tight seal when connecting to a threadless opening.
- Used to bond liquid tight conduits to electrical junction boxes & enclosures.

Item No.	Specifications	U/M	Std. Pkg.
15817	1/2" Metallic Liquid-Tite Conduit Fitting	EA	25
15818	3/4" Metallic Liquid-Tite Conduit Fitting	EA	10
15819	1/2" 90° Metallic Liquid-Tite Conduit Fitting	EA	10
15820	3/4" 90° Metallic Liquid-Tite Conduit Fitting	EA	10



CONDUIT LOCK NUT

- Galvanized treatment provides excellent corrosion protection in humid environments.
- The serrations bite into the box and shell to prevent the vibration from loosening the connection.
- Has excellent heat resistance and corrosion resistance.
- All steel construction insures mechanical protection for the raceway.

Item No.	Specifications	U/M	Std. Pkg.
44501	1/2" Steel Lock Nut	EA	100
44502	3/4" Steel Lock Nut	EA	100
44503	1" Steel Lock Nut	EA	100



NON-METALLIC LIQUID TIGHT CONDUIT

- UL Listed.
- Made from high quality PVC. Smooth inside for easier wire pulling, no hazardous sharp edges or burrs, will not damage conductors. Light weight and lower installed cost. Quick installation, cuts with utility knife or PVC cutter.

Item No.	Specifications	U/M	Std. Pkg.
15841	1/2" x 100' Non-Metallic Conduit	RL	1
15842	3/4" x 100' Non-Metallic Conduit	RL	1



FLEXIBLE ALUMINUM CONDUIT

- UL Listed.
- Corrosion proof.
- Long functional life.
- Can bear strong tension.

Item No.	Specifications	U/M	Std. Pkg.
15843	3/8" x 100' Aluminum Conduit	EA	1
15844	1/2" x 100' Aluminum Conduit	EA	1
15845	3/4" x 100' Aluminum Conduit	EA	1



FLEXIBLE METAL CONDUIT

- For power and lighting circuits, branch circuit wiring, office partition furniture, voice, data and signal transmissions, lighting fixture whips, motor leads and video cables.
- Smooth interior for easy wire pulling.
- Superior corrosion resistance and built in flexibility for simplified positioning.
- Suitable for concealed, exposed or approved raceways.
- Superior crush proof qualities.

Item No.	Specifications	U/M	Std. Pkg.
44521	3/8" x 100' Flexible Steel Conduit	EA	1
44522	1/2" x 100' Flexible Steel Conduit	EA	1
44523	3/4" x 100' Flexible Steel Conduit	EA	1

DISCONNECT SWITCHES

METALLIC DISCONNECT SWITCHES

- Fusible and non-fusible combination wall-mounted power sockets can be easily and safely disconnected from the power supply as required.
- The clearly visible ON / OFF label eliminates guesswork and provides a clean, modern look.
- UL listed, NEMA type 3R enclosure for outdoor use.
- Efficient and space-saving enclosure with unobstructed wiring troughs and easy removal of the lid and interior.
- Knockouts on back, bottom and sides offer a variety of configurations.
- The pull-out handle can store the "OFF" position in the compartment, helping to prevent the handle from being misplaced.
- Protective shield cannot be removed until the pullout handle is removed, disconnecting the power.

Item No.	Specifications	U/M	Std. Pkg.
15539	60A Non-Fused Metallic Disconnect	EA	6
15540	30A Fused Metallic Disconnect	EA	6
15541	60A Fused Metallic Disconnect	EA	6



NON-METALLIC DISCONNECT SWITCHES

- Fusible and non-fusible combination wall-mounted power sockets can be easily and safely disconnected from the power supply as required.
- Plastic enclosure, rainproof, suitable for harsh environmental conditions.
- The clearly visible ON / OFF label eliminates guesswork and provides a clean, modern look.
- UL Listed NEMA type 3R enclosure, pre-assembled for easy installation.
- Efficient and space-saving enclosure with unobstructed wiring troughs and easy removal of the lid and interior.
- Knockouts on back, bottom and sides offer a variety of configurations.
- The pull-out handle can store the "OFF" position in the compartment, helping to prevent the handle from being misplaced.

Item No.	Specifications	U/M	Std. Pkg.
15539NM	60A Non Fused Non-Metallic Disconnect	EA	1
15540NM	30A Fused Non-Metallic Disconnect	EA	1
15541NM	60A Fused Non-Metallic Disconnect	EA	1



POWER CORDS

REPLACEMENT POWER CORDS

- UL Listed.
- SJTW.
- Heavy-duty strain relief protects electrical connections resulting in longer cord life.
- Insulation stripped for easy connection and installation.
- Replace old and worn out cords, or extend your power cable.

Item No.	Specifications	U/M	Std. Pkg.
15510	3' x 16/3 SJTWA Power Cord, Straight Plug	EA	50
15511	8' x 16/3 SJTWA Power Cord, Straight Plug	EA	50
15512	8' x 14/3 SJTWA Power Cord, Straight Plug	EA	50
15513	6' x 16/3 SJTWA Power Cord-90 Degree Angle	EA	50
41001	6' x 16/3 SJTWA Power Cord Straight Plug	EA	50





JUMPER CORD

- 3 different color test leads, 16/3, 13AMP.
- The wire is firmly crimped to the clip to ensure good electrical conductivity. The crocodile clip is made of nickel-plated steel with a strong spring and a strong connection. The non-slip and insulated PVC coating makes the crocodile clip easy to use but has good grip.
- The test leads are 30 inches long. Ideal for circuit testing and temporary circuit changes. Any test lead can be interconnected with any other probe body.
- UL certified, made of high-quality alloy materials, to ensure your daily use safety. Insulation test cables are easy to store and do not require complicated storage operations.

Item No.	Specifications	U/M	Std. Pkg.
15514	Female Jumper Cord	EA	1



HEAVY DUTY TEST LEAD

- 1 set of black and red, color-coded leads allows you to test the circuit without crossing wires or causing short circuits.
- Good electrical conductivity, alligator clips covered by PVC, the strength of the alligator clips is strong enough to hold firmly.
- There are crocodile clips at both ends, a firm connection process that firmly crimps the wires to the clips for easy installation.
- The insulation clip can be flexibly slid forward to adjust the clip.
- UL certified. Ideal for all types of troubleshooting and circuit testing.

Item No.	Specifications	U/M	Std. Pkg.
15515	36" Heavy Duty Test Leads, 18GA (10/Pack)	PK	1



MULTI-COLORED TEST LEAD

- 2 Pieces in each of five colors: red, yellow, green, black and white, 5 different colors test leads make it easy to distinguish.
- The wire crimped securely to the clips which ensure good conduction. Alligator clips made by nickel plated steel with a strong spring and solid connection. Non-slip and insulated PVC-covered make the alligator clips easy to use.
- 18 inch long per test lead. Ideal for light electronics projects, home circuit test and making temporary circuit changes. Any test lead may be interconnected with any other probe body.
- UL certified, made of high-quality alloy materials, safe for your daily use.
- Insulation test cables are easy to store and do not require complicated storage operations.

Item No.	Specifications	U/M	Std. Pkg.
15516	Multi-Color Test Leads (10/Pack)	PK	1



COMPRESSOR LEADS

- UL Listed.
- Easy to use tools, for purpose of pneumatics, pneumatic fasteners & accessories, air compressor accessory.

Item No.	Specifications	U/M	Std. Pkg.
15553	12" Lead with Butt Connector (3/PK)	EA	1
15554	18" Lead with Butt Connector (3/PK)	EA	1
15555	24" Lead with Ring Terminal (3/PK)	EA	1

OUTDOOR EXTENSION CORDS

- UL Listed.
- Single outlet.
- With lighted plug. Female plug lights up when cord has power.
- Durable, clear-molded plugs resist wear and tear.
- Red/orange exterior for clear visibility and added safety.
- Weather-safe SJTW outer jacket for durability.

Item No.	Specifications	U/M	Std. Pkg.
41011	25' x 16/3 13Amp SJTWA Extension Cord	EA	1
41012	50' x 16/3 13Amp SJTWA Extension Cord	EA	1
41013	100' x 16/3 10Amp SJTWA Extension Cord	EA	1
41014	25' x 14/3 15Amp SJTWA Extension Cord	EA	1
41015	50' x 14/3 15Amp SJTWA Extension Cord	EA	1
41016	100' x 14/3 13Amp SJTWA Extension Cord	EA	1
41017	25' x 12/3 15Amp SJTWA Extension Cord	EA	1
41018	50' x 12/3 15Amp SJTWA Extension Cord	EA	1
41019	100' x 12/3 15Amp SJTWA Extension Cord	EA	1



METAL GUARD TROUBLE LIGHTS

- 16-AWG cord accepts 75-Watt bulbs. Dual hook system which permits hanging the work light by either the guard or handle.
- 25/50-foot SJTW cord intended for temporary lighting at job sites, workshops, garages, and other work areas.
- PVC jacket with metal bulb guard provides superior abrasion, oil, chemical and water resistance.
- Featuring 3-prong plug and outlet built into handle with comfort grip.

Item No.	Specifications	U/M	Std. Pkg.
41020	25' x 16/3 13A/125V Trouble Light	EA	1
41021	50' x 16/3 13A/125V Trouble Light	EA	1



ELECTRICAL FITTINGS

ELECTRICAL ROMEX FITTINGS

- UL Listed.
- Use to connect non-metallic cable to metal enclosures.

Item No.	Specifications	U/M	Std. Pkg.
15821	3/8" (1/2" K.O.) Romex Connector	EA	100
15822	3/4" Romex Connector	EA	50
15823	1" Romex Connector	EA	25
44106	1-1/2" Romex Connector	EA	50



BX & GREENFIELD CONNECTORS

- UL Listed.
- Use to terminate flexible metal conduit to a knock-out in a dry location box or enclosure.

Item No.	Specifications	U/M	Std. Pkg.
15824	3/8" 90° Squeeze Connectors	EA	50
15825	3/8" Combination Box Connector	EA	100
15826	1/2" Squeeze Connectors	EA	25
15827	1/2" 90° Squeeze Connectors	EA	25
15828	1/2" Armored Cable Set Screw	EA	25
15829	3/4" 90° Squeeze Connectors	EA	10
44101	3/4" Squeeze Connectors	EA	25
44102	1" Squeeze Connectors	EA	25
44103	1" 90° Squeeze Connectors	EA	25
44104	3/8" Set Screw Bx Connector, 1/2" KO	EA	50
44105	3/8" Conn (1/2" KO) Saddlegrip	EA	50



CONTACTORS
DEFINITE PURPOSE CONTACTORS

- UL Listed.
- Easy to use and handle.
- Highly durable.



1/1.5 POLE

Item No.	Specifications	U/M	Std. Pkg.
DP1525120	1/1.5 Pole, 25FLA, 120V Coil	EA	1
DP152524	1/1.5 Pole, 25FLA, 24V Coil	EA	1
DP1525240	1/1.5 Pole, 25FLA, 240V Coil	EA	1
DP1530120	1/1.5 Pole, 30FLA, 120V Coil	EA	1
DP153024	1/1.5 Pole, 30FLA, 24V Coil	EA	1
DP1530240	1/1.5 Pole, 30FLA, 240V Coil	EA	1
DP1540120	1/1.5 Pole, 40FLA, 120V Coil	EA	1
DP154024	1/1.5 Pole, 40FLA, 24V Coil	EA	1
DP1540240	1/1.5 Pole, 40FLA, 240V Coil	EA	1

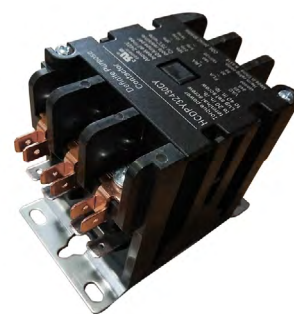


2 POLE

Item No.	Specifications	U/M	Std. Pkg.
DP220120	2 Pole, 20FLA, 120V Coil	EA	1
DP22024	2 Pole, 20FLA, 24V Coil	EA	1
DP220240	2 Pole, 20FLA, 240V Coil	EA	1
DP225120	2 Pole, 25FLA, 120V Coil	EA	1
DP22524	2 Pole, 25FLA, 24V Coil	EA	1
DP225240	2 Pole, 25FLA, 240V Coil	EA	1
DP225277	2 Pole, 25FLA, 277V Coil	EA	1
DP230120	2 Pole, 30FLA, 120V Coil	EA	1
DP23024	2 Pole, 30FLA, 24V Coil	EA	1
DP230240	2 Pole, 30FLA, 240V Coil	EA	1
DP240120	2 Pole, 40FLA, 120V Coil	EA	1
DP24024	2 Pole, 40FLA, 24V Coil	EA	1
DP240240	2 Pole, 40FLA, 240V Coil	EA	1

3 POLE

Item No.	Specifications	U/M	Std. Pkg.
DP325120	3 Pole, 25FLA, 120V Coil	EA	1
DP32524	3 Pole, 25FLA, 24V Coil	EA	1
DP325240	3 Pole, 25FLA, 240V Coil	EA	1
DP325480	3 Pole, 25FLA, 480V Coil	EA	1
DP330120	3 Pole, 30FLA, 120V Coil	EA	1
DP33024	3 Pole, 30FLA, 24V Coil	EA	1
DP330240	3 Pole, 30FLA, 240V Coil	EA	1
DP330277	3 Pole, 30FLA, 277V Coil	EA	1
DP330480	3 Pole, 30FLA, 480V Coil	EA	1
DP340120	3 Pole, 40FLA, 120V Coil	EA	1
DP34024	3 Pole, 40FLA, 24V Coil	EA	1
DP340240	3 Pole, 40FLA, 240V Coil	EA	1
DP340277	3 Pole, 40FLA, 277V Coil	EA	1
DP340480	3 Pole, 40FLA, 480V Coil	EA	1
DP350120	3 Pole, 50FLA, 120V Coil	EA	1
DP35024	3 Pole, 50FLA, 24V Coil	EA	1
DP350240	3 Pole, 50FLA, 240V Coil	EA	1
DP350277	3 Pole, 50FLA, 277V Coil	EA	1
DP360120	3 Pole, 60FLA, 120V Coil	EA	1
DP36024	3 Pole, 60FLA, 24V Coil	EA	1
DP360240	3 Pole, 60FLA, 240V Coil	EA	1
DP360277	3 Pole, 60FLA, 277V Coil	EA	1
DP375120	3 Pole, 75FLA, 120V Coil	EA	1
DP37524	3 Pole, 75FLA, 24V Coil	EA	1
DP375240	3 Pole, 75FLA, 240V Coil	EA	1
DP375277	3 Pole, 75FLA, 277V Coil	EA	1
DP390120	3 Pole, 90FLA, 120V Coil	EA	1
DP39024	3 Pole, 90FLA, 24V Coil	EA	1
DP390240	3 Pole, 90FLA, 240V Coil	EA	1

**4 POLE**

Item No.	Specifications	U/M	Std. Pkg.
DP430120	4 Pole, 30FLA, 120V Coil	EA	1
DP43024	4 Pole, 30FLA, 24V Coil	EA	1
DP430240	4 Pole, 30FLA, 240V Coil	EA	1
DP430277	4 Pole, 30FLA, 277V Coil	EA	1
DP440120	4 Pole, 40FLA, 120V Coil	EA	1
DP44024	4 Pole, 40FLA, 24V Coil	EA	1
DP440277	4 Pole, 40FLA, 277V Coil	EA	1



CAPACITORS

370 VAC, OVAL SHAPE MOTOR RUN CAPACITORS, SINGLE

- UL Listed.
- Single capacitance.
- Metal can capacitors are designed for continuous run.



Item No.	Specifications	U/M	Std. Pkg.
15901	2µF Oval Capacitor, 370 VAC	EA	1
15902	3µF Oval Capacitor, 370 VAC	EA	1
15903	4µF Oval Capacitor, 370 VAC	EA	1
15904	5µF Oval Capacitor, 370 VAC	EA	1
15905	6µF Oval Capacitor, 370 VAC	EA	1
15906	7.5µF Oval Capacitor, 370 VAC	EA	1
15907	10µF Oval Capacitor, 370 VAC	EA	1
15908	12.5µF Oval Capacitor, 370 VAC	EA	1
15909	15µF Oval Capacitor, 370 VAC	EA	1
15910	17.5µF Oval Capacitor, 370 VAC	EA	1
15911	20µF Oval Capacitor, 370 VAC	EA	1
15912	25µF Oval Capacitor, 370 VAC	EA	1
15913	30µF Oval Capacitor, 370 VAC	EA	1
15914	35µF Oval Capacitor, 370 VAC	EA	1
15915	40µF Oval Capacitor, 370 VAC	EA	1
15916	45µF Oval Capacitor, 370 VAC	EA	1
15917	50µF Oval Capacitor, 370 VAC	EA	1
15918	55µF Oval Capacitor, 370 VAC	EA	1
15919	60µF Oval Capacitor, 370 VAC	EA	1
15920	70µF Oval Capacitor, 370 VAC	EA	1
15921	80µF Oval Capacitor, 370 VAC	EA	1

370 VAC, OVAL SHAPE MOTOR RUN CAPACITORS, DUAL

- UL Listed.
- Dual capacitance.
- Metal can capacitors are designed for continuous run.



Item No.	Specifications	U/M	Std. Pkg.
15922	15+5µF Oval Capacitor, 370 VAC	EA	1
15923	15+10µF Oval Capacitor, 370 VAC	EA	1
15924	20+5µF Oval Capacitor, 370 VAC	EA	1
15925	20+15µF Oval Capacitor, 370 VAC	EA	1
15926	25+3µF Oval Capacitor, 370 VAC	EA	1
15927	25+5µF Oval Capacitor, 370 VAC	EA	1
15928	25+10µF Oval Capacitor, 370 VAC	EA	1
15929	30+3µF Oval Capacitor, 370 VAC	EA	1
15930	30+5µF Oval Capacitor, 370 VAC	EA	1
15931	30+7.5µF Oval Capacitor, 370 VAC	EA	1
15932	35+3µF Oval Capacitor, 370 VAC	EA	1
15933	35+5µF Oval Capacitor, 370 VAC	EA	1
15934	35+7.5µF Oval Capacitor, 370 VAC	EA	1
15935	40+5µF Oval Capacitor, 370 VAC	EA	1
15936	45+5µF Oval Capacitor, 370 VAC	EA	1
15937	45+7.5µF Oval Capacitor, 370 VAC	EA	1
15938	55+5µF Oval Capacitor, 370 VAC	EA	1
15939	55+7.5µF Oval Capacitor, 370 VAC	EA	1
15940	60+10µF Oval Capacitor, 370 VAC	EA	1

370 VAC, ROUND SHAPE MOTOR RUN CAPACITORS, SINGLE

- UL Listed.
- Single capacitance.
- Metal can capacitors are designed for continuous run.

Item No.	Specifications	U/M	Std. Pkg.
15941	5 μ F Round Capacitor, 370 VAC	EA	1
15942	7.5 μ F Round Capacitor, 370 VAC	EA	1
15943	10 μ F Round Capacitor, 370 VAC	EA	1
15944	12.5 μ F Round Capacitor, 370 VAC	EA	1
15945	15 μ F Round Capacitor, 370 VAC	EA	1
15946	17.5 μ F Round Capacitor, 370 VAC	EA	1
15947	20 μ F Round Capacitor, 370 VAC	EA	1
15948	25 μ F Round Capacitor, 370 VAC	EA	1
15949	30 μ F Round Capacitor, 370 VAC	EA	1
15950	35 μ F Round Capacitor, 370 VAC	EA	1
15951	40 μ F Round Capacitor, 370 VAC	EA	1
15952	45 μ F Round Capacitor, 370 VAC	EA	1
15953	50 μ F Round Capacitor, 370 VAC	EA	1
15954	55 μ F Round Capacitor, 370 VAC	EA	1
15955	60 μ F Round Capacitor, 370 VAC	EA	1
15956	70 μ F Round Capacitor, 370 VAC	EA	1
15957	80 μ F Round Capacitor, 370 VAC	EA	1

**370 VAC, ROUND SHAPE MOTOR RUN CAPACITORS, DUAL**

- UL Listed.
- Dual capacitance.
- Metal can capacitors are designed for continuous run.

Item No.	Specifications	U/M	Std. Pkg.
15958	25+3 μ F Round Capacitor, 370 VAC	EA	1
15959	30+3 μ F Round Capacitor, 370 VAC	EA	1
15960	35+3 μ F Round Capacitor, 370 VAC	EA	1
15961	40+3 μ F Round Capacitor, 370 VAC	EA	1
15962	25+4 μ F Round Capacitor, 370 VAC	EA	1
15963	35+4 μ F Round Capacitor, 370 VAC	EA	1
15964	15+5 μ F Round Capacitor, 370 VAC	EA	1
15965	20+5 μ F Round Capacitor, 370 VAC	EA	1
15966	25+5 μ F Round Capacitor, 370 VAC	EA	1
15967	30+5 μ F Round Capacitor, 370 VAC	EA	1
15968	35+5 μ F Round Capacitor, 370 VAC	EA	1
15969	40+5 μ F Round Capacitor, 370 VAC	EA	1
15970	45+5 μ F Round Capacitor, 370 VAC	EA	1
15971	50+5 μ F Round Capacitor, 370 VAC	EA	1
15972	55+5 μ F Round Capacitor, 370 VAC	EA	1
15973	60+5 μ F Round Capacitor, 370 VAC	EA	1
15974	70+5 μ F Round Capacitor, 370 VAC	EA	1
15975	80+5 μ F Round Capacitor, 370 VAC	EA	1
15976	20+7.5 μ F Round Capacitor, 370 VAC	EA	1
15977	30+7.5 μ F Round Capacitor, 370 VAC	EA	1
15978	40+7.5 μ F Round Capacitor, 370 VAC	EA	1
15979	55+7.5 μ F Round Capacitor, 370 VAC	EA	1
15980	60+7.5 μ F Round Capacitor, 370 VAC	EA	1
15981	80+7.5 μ F Round Capacitor, 370 VAC	EA	1
15982	35+10 μ F Round Capacitor, 370 VAC	EA	1
15983	80+10 μ F Round Capacitor, 370 VAC	EA	1





440 VAC, OVAL SHAPE MOTOR RUN CAPACITORS, SINGLE

- UL Listed.
- Single capacitance.
- Metal can capacitors are designed for continuous run.

Item No.	Specifications	U/M	Std. Pkg.
15984	2µF Oval Capacitor, 440 VAC	EA	1
15985	3µF Oval Capacitor, 440 VAC	EA	1
15986	4µF Oval Capacitor, 440 VAC	EA	1
15987	5µF Oval Capacitor, 440 VAC	EA	1
15988	6µF Oval Capacitor, 440 VAC	EA	1
15989	7.5µF Oval Capacitor, 440 VAC	EA	1
15990	10µF Oval Capacitor, 440 VAC	EA	1
15991	12.5µF Oval Capacitor, 440 VAC	EA	1
15992	15µF Oval Capacitor, 440 VAC	EA	1
15993	17.5µF Oval Capacitor, 440 VAC	EA	1
15994	20µF Oval Capacitor, 440 VAC	EA	1
15995	25µF Oval Capacitor, 440 VAC	EA	1
15996	30µF Oval Capacitor, 440 VAC	EA	1
15997	35µF Oval Capacitor, 440 VAC	EA	1
15998	40µF Oval Capacitor, 440 VAC	EA	1
15999	45µF Oval Capacitor, 440 VAC	EA	1
16000	50µF Oval Capacitor, 440 VAC	EA	1
16001	55µF Oval Capacitor, 440 VAC	EA	1
16002	60µF Oval Capacitor, 440 VAC	EA	1
16003	70µF Oval Capacitor, 440 VAC	EA	1
16004	80µF Oval Capacitor, 440 VAC	EA	1



440 VAC, OVAL SHAPE MOTOR RUN CAPACITORS, DUAL

- UL Listed.
- Dual capacitance.
- Metal can capacitors are designed for continuous run.

Item No.	Specifications	U/M	Std. Pkg.
16005	25+5µF Oval Capacitor, 440 VAC	EA	1
16006	30+5µF Oval Capacitor, 440 VAC	EA	1
16007	35+5µF Oval Capacitor, 440 VAC	EA	1
16008	40+5µF Oval Capacitor, 440 VAC	EA	1
16009	45+5µF Oval Capacitor, 440 VAC	EA	1
16010	50+5µF Oval Capacitor, 440 VAC	EA	1
16011	55+5µF Oval Capacitor, 440 VAC	EA	1
16012	60+5µF Oval Capacitor, 440 VAC	EA	1
16013	35+7.5µF Oval Capacitor, 440 VAC	EA	1
16014	40+7.5µF Oval Capacitor, 440 VAC	EA	1
16015	45+7.5µF Oval Capacitor, 440 VAC	EA	1
16016	55+10µF Oval Capacitor, 440 VAC	EA	1



HARD START KITS

- UL Listed.
- For use with residential and commercial air conditioning units, heat pumps, and room air conditioners.

Item No.	Specifications	U/M	Std. Pkg.
15536	5 Hard Start Kit, Up to 300% Starting Torque	PK	1
15537	6 Hard Start Kit, Up to 500% Starting Torque	PK	1
15538	8 Hard Start Kit, Up to 690% Starting Torque	PK	1

440 VAC, ROUND SHAPE MOTOR RUN CAPACITORS, SINGLE

- UL Listed.
- Single capacitance.
- Metal can capacitors are designed for continuous run.

Item No.	Specifications	U/M	Std. Pkg.
16017	5 μ F Round Capacitor, 440 VAC	EA	1
16018	10 μ F Round Capacitor, 440 VAC	EA	1
16019	15 μ F Round Capacitor, 440 VAC	EA	1
16020	17.5 μ F Round Capacitor, 440 VAC	EA	1
16021	20 μ F Round Capacitor, 440 VAC	EA	1
16022	25 μ F Round Capacitor, 440 VAC	EA	1
16023	30 μ F Round Capacitor, 440 VAC	EA	1
16024	35 μ F Round Capacitor, 440 VAC	EA	1
16025	40 μ F Round Capacitor, 440 VAC	EA	1
16026	45 μ F Round Capacitor, 440 VAC	EA	1
16027	50 μ F Round Capacitor, 440 VAC	EA	1
16028	55 μ F Round Capacitor, 440 VAC	EA	1
16029	60 μ F Round Capacitor, 440 VAC	EA	1
16030	70 μ F Round Capacitor, 440 VAC	EA	1
16031	80 μ F Round Capacitor, 440 VAC	EA	1

**440 VAC, ROUND SHAPE MOTOR RUN CAPACITORS, DUAL**

- UL Listed.
- Dual capacitance.
- Metal can capacitors are designed for continuous run.

Item No.	Specifications	U/M	Std. Pkg.
16032	20+5 μ F Round Capacitor, 440 VAC	EA	1
16033	25+5 μ F Round Capacitor, 440 VAC	EA	1
16034	25+7.5 μ F Round Capacitor, 440 VAC	EA	1
16035	30+5 μ F Round Capacitor, 440 VAC	EA	1
16036	30+7.5 μ F Round Capacitor, 440 VAC	EA	1
16037	35+5 μ F Round Capacitor, 440 VAC	EA	1
16038	35+7.5 μ F Round Capacitor, 440 VAC	EA	1
16039	35+10 μ F Round Capacitor, 440 VAC	EA	1
16040	40+4 μ F Round Capacitor, 440 VAC	EA	1
16041	40+5 μ F Round Capacitor, 440 VAC	EA	1
16042	40+7.5 μ F Round Capacitor, 440 VAC	EA	1
16043	40+10 μ F Round Capacitor, 440 VAC	EA	1
16044	45+5 μ F Round Capacitor, 440 VAC	EA	1
16045	45+7.5 μ F Round Capacitor, 440 VAC	EA	1
16046	50+5 μ F Round Capacitor, 440 VAC	EA	1
16047	50+7.5 μ F Round Capacitor, 440 VAC	EA	1
16048	55+5 μ F Round Capacitor, 440 VAC	EA	1
16049	55+7.5 μ F Round Capacitor, 440 VAC	EA	1
16050	55+10 μ F Round Capacitor, 440 VAC	EA	1
16051	60+5 μ F Round Capacitor, 440 VAC	EA	1
16052	60+7.5 μ F Round Capacitor, 440 VAC	EA	1
16053	60+10 μ F Round Capacitor, 440 VAC	EA	1
16054	80+5 μ F Round Capacitor, 440 VAC	EA	1
16055	80+7.5 μ F Round Capacitor, 440 VAC	EA	1
16056	80+10 μ F Round Capacitor, 440 VAC	EA	1



CIRCUIT BREAKERS

EATON TYPE CH CIRCUIT BREAKERS



- UL Listed.
- Safety and reliability.
- Easy deployment, quick installation.
- Secure protection of devices from excessive current flow.

Item No.	Specifications	U/M	Std. Pkg.
44001	Circuit Breaker 1 Pole, 15A 120/240V	EA	1
44002	Circuit Breaker 1 Pole, 20A 120/240V	EA	1
44011	Circuit Breaker 2 Pole, 15A 120/240V	EA	1
44012	Circuit Breaker 2 Pole, 20A 120/240V	EA	1
44013	Circuit Breaker 2 Pole, 30A 120/240V	EA	1
44014	Circuit Breaker 2 Pole, 40A 120/240V	EA	1
44015	Circuit Breaker 2 Pole, 50A 120/240V	EA	1
44016	Circuit Breaker 2 Pole, 60A 120/240V	EA	1

EATON TYPE BR CIRCUIT BREAKERS



- UL Listed.
- Safety and reliability.
- Easy deployment, quick installation.
- Secure protection of devices from excessive current flow.

Item No.	Specifications	U/M	Std. Pkg.
44021	Circuit Breaker 1 Pole, 15A 120/240V	EA	1
44022	Circuit Breaker 1 Pole, 20A 120/240V	EA	1
44023	Circuit Breaker 1 Pole, 30A 120/240V	EA	1
44031	Circuit Breaker 2 Pole, 15A 120/240V	EA	1
44032	Circuit Breaker 2 Pole, 20A 120/240V	EA	1
44033	Circuit Breaker 2 Pole, 30A 120/240V	EA	1
44034	Circuit Breaker 2 Pole, 40A 120/240V	EA	1
44035	Circuit Breaker 2 Pole, 50A 120/240V	EA	1
44036	Circuit Breaker 2 Pole, 60A 120/240V	EA	1
44040	Circuit Breaker 2 Pole, 100A 120/240V	EA	1

HEATING CABLES

RESIDENTIAL HEATING CABLES



- UL Listed.
- Easy installation, easy heat pipe heating cable installs quickly and easily to keep.
- Each cable consists of tough PVC inner insulation, a continuous ground braid, and weather-resistant units are activated and de-activated by an integral energy-saving thermostat.
- Can be overlapped during installation and operation, cable WON' T OVERHEAT.

Item No.	Specifications	U/M	Std. Pkg.
15501	Pipe Heating Cable 3' Length 21 Watts, 120V	EA	100
15502	Pipe Heating Cable 6' Length 42 Watts, 120V	EA	50
15503	Pipe Heating Cable 9' Length 63 Watts, 120V	EA	50
15504	Pipe Heating Cable 12' Length 84 Watts, 120V	EA	40
15505	Pipe Heating Cable 15' Length 105 Watts, 120V	EA	40
15506	Pipe Heating Cable 18' Length 126 Watts, 120V	EA	30
15507	Pipe Heating Cable 24' Length 168 Watts, 120V	EA	30
15508	Pipe Heating Cable 30' Length 210 Watts, 120V	EA	20
15509	Pipe Heating Cable 40' Length 280 Watts, 120V	EA	20

WIRE TERMINALS

TERMINAL KITS

- UL Listed.
- Package comes with 180 or 450 pcs insulated terminals and connectors in the most commonly used sizes.
- All insulated electrical rings are nicely enclosed in plastic case for easy access and carry.

Item No.	Specifications	U/M	Std. Pkg.
15401	Terminal Kit (10/Each Size)	PK	1
15402	Terminal Kit (25/Each Size)	PK	1



HARD SHRINK TUBING

- UL Listed.
- General purpose, flexible polyolefin.
- High strength toughness.

Item No.	Specifications	U/M	Std. Pkg.
15471	Heat Shrink Tubing, 1/8" ID - 4", 10/PK	PK	1
15472	Heat Shrink Tubing, 3/16" ID - 4", 8/PK	PK	1
15473	Heat Shrink Tubing, 1/4" ID - 4", 7/PK	PK	1
15474	Heat Shrink Tubing, 3/8" ID - 4", 6/PK	PK	1
15475	Heat Shrink Tubing, 1/2" ID - 4", 5/PK	PK	1
15476	Heat Shrink Tubing, 3/4" ID - 4", 4/PK	PK	1
15477	Heat Shrink Tubing, 1" ID - 4", 3/PK	PK	1
15490	Heat Shrink Tubing, Assorted 3/16", 1/4", 3/8" - 4", 7/PK	PK	1
15491	Heat Shrink Tubing, Assorted 1/2", 3/4", 1" - 4", 4/PK	PK	1



VINYL INSULATED RINGS

- UL Listed.
- Butted seam barrel.
- 100 per package.

Item No.	Specifications	U/M	Std. Pkg.
15403	Vinyl Insulated Rings, 22-18 Wire, 6 Stud (100/PK)	PK	1
15404	Vinyl Insulated Rings, 22-18 Wire, 8 Stud (100/PK)	PK	1
15405	Vinyl Insulated Rings, 22-18 Wire, 10 Stud (100/PK)	PK	1
15406	Vinyl Insulated Rings, 22-18 Wire, 1/4 Stud (100/PK)	PK	1
15407	Vinyl Insulated Rings, 16-14 Wire, 6 Stud (100/PK)	PK	1
15408	Vinyl Insulated Rings, 16-14 Wire, 8 Stud (100/PK)	PK	1
15409	Vinyl Insulated Rings, 16-14 Wire, 10 Stud (100/PK)	PK	1
15410	Vinyl Insulated Rings, 16-14 Wire, 1/4 Stud (100/PK)	PK	1
15411	Vinyl Insulated Rings, 16-14 Wire, 5/16 Stud (100/PK)	PK	1
15412	Vinyl Insulated Rings, 12-10 Wire, 8 Stud (100/PK)	PK	1
15413	Vinyl Insulated Rings, 12-10 Wire, 10 Stud (100/PK)	PK	1
15414	Vinyl Insulated Rings, 12-10 Wire, 1/4 Stud (100/PK)	PK	1
15415	Vinyl Insulated Rings, 12-10 Wire, 1/2 Stud (100/PK)	PK	1

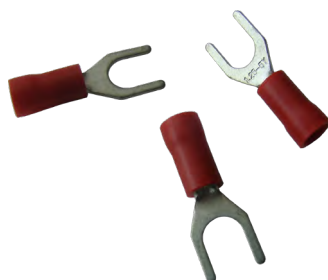




HIGH TEMPERATURE RINGS

- UL Listed.
- 900° F max temp.
- Butted seam.
- 100 per package.

Item No.	Specifications	U/M	Std. Pkg.
15416	High Temp. Rings(900°F), 22-18 Wire, 6 Stud (100/PK)	PK	1
15417	High Temp. Rings(900°F), 22-18 Wire, 8 Stud (100/PK)	PK	1
15418	High Temp. Rings(900°F), 22-18 Wire, 10 Stud (100/PK)	PK	1
15419	High Temp. Rings(900°F), 22-18 Wire, 1/4 Stud (100/PK)	PK	1
15420	High Temp. Rings(900°F), 16-14 Wire, 6 Stud (100/PK)	PK	1
15421	High Temp. Rings(900°F), 16-14 Wire, 8 Stud (100/PK)	PK	1
15422	High Temp. Rings(900°F), 16-14 Wire, 10 Stud (100/PK)	PK	1
15423	High Temp. Rings(900°F), 16-14 Wire, 1/4 Stud (100/PK)	PK	1
15424	High Temp. Rings(900°F), 12-10 Wire, 6 Stud (100/PK)	PK	1
15425	High Temp. Rings(900°F), 12-10 Wire, 8 Stud (100/PK)	PK	1
15426	High Temp. Rings(900°F), 12-10 Wire, 10 Stud (100/PK)	PK	1



VINYL INSULATED SPADES

- UL Listed.
- High strength copper.
- Electro-Tin plated for corrosion resistance.
- 100 per package.

Item No.	Specifications	U/M	Std. Pkg.
15427	Vinyl Insulated Spades, 22-18 Wire, 6 Stud (100/PK)	PK	1
15428	Vinyl Insulated Spades, 22-18 Wire, 8 Stud (100/PK)	PK	1
15429	Vinyl Insulated Spades, 22-18 Wire, 10 Stud (100/PK)	PK	1
15430	Vinyl Insulated Spades, 16-14 Wire, 6 Stud (100/PK)	PK	1
15431	Vinyl Insulated Spades, 16-14 Wire, 8 Stud (100/PK)	PK	1
15432	Vinyl Insulated Spades, 16-14 Wire, 10 Stud (100/PK)	PK	1
15433	Vinyl Insulated Spades, 12-10 Wire, 8 Stud (100/PK)	PK	1
15434	Vinyl Insulated Spades, 12-10 Wire, 10 Stud (100/PK)	PK	1



HIGH TEMPERATURE SPADES

- UL Listed.
- Butted seam.
- 900° F max temp.
- 100 per package.

Item No.	Specifications	U/M	Std. Pkg.
15435	High Temp. Spades(900°F), 22-18 Wire, 10 Stud (100/PK)	PK	1
15436	High Temp. Spades(900°F), 16-14 Wire, 10 Stud (100/PK)	PK	1
15437	High Temp. Spades(900°F), 12-10 Wire, 10 Stud (100/PK)	PK	1



HIGH TEMPERATURE FEMALE DISCONNECTS

- UL Listed.
- 900° F max temp.
- Non-insulated.
- 100 per package.

Item No.	Specifications	U/M	Std. Pkg.
15438	16-14 Wire, .250 Tab (100/PK)	PK	1
15439	12-10 Wire, .250 Tab (100/PK)	PK	1

FULLY INSULATED DISCONNECTS

- UL Listed.
- 100 per package.

Item No.	Specifications	U/M	Std. Pkg.
15440	22-18 Wire, .250 Tab Female (100/PK)	PK	1
15441	16-14 Wire, .250 Tab Female (100/PK)	PK	1
15442	22-18 Wire, .250 Tab Male (100/PK)	PK	1
15443	16-14 Wire, .250 Tab Male (100/PK)	PK	1

**VINYL INSULATED FEMALE DISCONNECTS**

- UL Listed.
- Butted seam.
- 100 per package.

Item No.	Specifications	U/M	Std. Pkg.
15444	22-18 Wire, .187 Tab (100/PK)	PK	1
15445	22-18 Wire, .250 Tab (100/PK)	PK	1
15446	16-14 Wire, .187 Tab (100/PK)	PK	1
15447	16-14 Wire, .250 Tab (100/PK)	PK	1
15448	12-10 Wire, .250 Tab (100/PK)	EA	1

**NON-INSULATED FLAG DISCONNECTS**

- UL Listed.
- 100 per package.

Item No.	Specifications	U/M	Std. Pkg.
15449	16-14 Wire, .250 Tab (100/PK)	PK	1
15450	12-10 Wire, .250 Tab (100/PK)	PK	1

**HIGH TEMPERATURE FLAG DISCONNECTS**

- UL Listed.
- 900° F max temp.
- 100 per package.

Item No.	Specifications	U/M	Std. Pkg.
15451	(900° F), 16-14 Wire, .250 Tab (100/PK)	PK	1
15452	(900° F), 12-10 Wire, .250 Tab (100/PK)	PK	1

**PIGGYBACK DISCONNECTS**

- UL Listed.
- 1 male x 1 female.
- Vinyl Insulated.
- 100 per package.

Item No.	Specifications	U/M	Std. Pkg.
15453	16-14 Wire, .250 Tab, Vinyl Insulated (100/PK)	PK	1

**DISCONNECTS**

- UL Listed.
- 250 Tab adapter.
- 100 per package.

Item No.	Specifications	U/M	Std. Pkg.
15454	Single Female Double Male Tab Adapter, .250 Tab (100/PK)	PK	1
15455	Single Female Single Male Tab Adapter, .250 Tab (100/PK)	PK	1





VINYL INSULATED MALE TABS

- UL Listed.
- 100 per package.

Item No.	Specifications	U/M	Std. Pkg.
15456	Vinyl Insulated Male Tab, 16-14 Wire, .187 Tab (100/PK)	PK	1
15457	Vinyl Insulated Male Tab, 16-14 Wire, .250 Tab (100/PK)	PK	1
15458	Vinyl Insulated Male Tab, 12-10 Wire, .250 Tab (100/PK)	PK	1



Non-insulated compressor connector

- UL listed.
- 50 Per package.

Item No.	Specifications	U/M	Std. Pkg.
15459	12-8 Wire, .250 Tab (50/PK)	PK	1



NYLON INSULATED CLOSED END CONNECTORS

- UL Listed.
- 100 per package.

Item No.	Specifications	U/M	Std. Pkg.
15460	22-14 Wire, Closed End Connector (100/PK)	PK	1
15461	16-10 Wire, Closed End Connector (100/PK)	PK	1



VINYL INSULATED BUTT SPLICES

- UL Listed.
- 100 per package.

Item No.	Specifications	U/M	Std. Pkg.
15462	22-18 Wire, Insulated Butt Splice (100/PK)	PK	1
15463	16-14 Wire, Insulated Butt Splice (100/PK)	PK	1
15464	12-10 Wire, Insulated Butt Splice (100/PK)	PK	1



SCREW ON WIRE CONNECTORS

- UL Listed.
- Color-coded for easy identification.
- Threaded funnel entry guides wires into the connector easily.
- 100 per box.

Item No.	Specifications	U/M	Std. Pkg.
15830	Gray 22-14 AWG 300V Max 100/Box	PK	10
15831	Blue 22-14 AWG 300V Max 100/Box	PK	10
15832	Orange 22-14 AWG 600V Max 100/Box	PK	10
15833	Yellow 22-10 AWG 600V Max 100/Box	PK	10
15834	Red 22-10 AWG 600V Max 100/Box	PK	10



WINGED WIRE CONNECTORS

- UL Listed.
- Color-coded for easy identification.
- Peelwire coat, available in socket tools for easy installation of connectors.

Item No.	Specifications	U/M	Std. Pkg.
15835	Winged Yellow 18-10 AWG 100/Box	PK	10
15836	Winged Red 18-8 AWG 100/Box	PK	10
15837	Winged Blue 14-6 AWG 50/Box	PK	10



PORCELAIN WIRE CONNECTORS

- Ceramic wire connectors.
- Excellent electrical and heat resistant properties.
- 100 per package.

Item No.	Specifications	U/M	Std. Pkg.
15838	Porcelain Medium Wire Connectors 100/PK	PK	1

ELECTRICAL BOXES & COVERS

STANDARD STEEL UTILITY BOXES

- UL Listed.
- Galvanized steel.
- 4" height, 2-1/8" width.

Item No.	Specifications	U/M	Std. Pkg.
15601	4"X2-1/8"X1-1/2"Deep, 1/2"K.o.'S Handy Box	EA	50
15602	4"X2-1/8"X1-7/8"Deep, 1/2"K.o.'S Handy Box	EA	50
15603	4"X2-1/8"X2-1/8"Deep, 1/2"K.o.'S Handy Box	EA	50
15604	4"X2-1/8"X1-7/8"Deep, 3/4"K.o.'S Handy Box	EA	50
15605	4"X2-1/8"X1-1/2"Deep, 1/2"K.o.'S Extension	EA	50



STEEL ELECTRICAL BOXES & EXTENSION RINGS

- UL Listed.
- Welded Construction.
- Used when you need to add extra wire capacity.

Item No.	Specifications	U/M	Std. Pkg.
15606	4" Octagon box 1-1/2" deep, 1/2" & 3/4" k.O.'S	EA	50
15607	4" Octagon box 2-1/8" deep, 1/2" & 3/4" k.O.'S, raised ground	EA	50
15609	4" Square box 2-1/8" deep, 1/2" & 3/4" k.O.'S, raised ground	EA	50
15610	4" Square box 1-1/2" deep, 1/2" k.O.'S	EA	50
15611	4" Square box 1-1/2" deep, 1/2" & 3/4" k.O.'S, raised ground	EA	50
15612	4" Square extension box 1-1/2" deep, 1/2" & 3/4" k.O.'S	EA	50
15613	4-11/16" Square box 2-1/8" deep, 1/2"&3/4" k.O.'S, raised ground	EA	50



STEEL ELECTRICAL BOX COVERS

- UL Listed.
- Galvanized steel.
- Includes matching metal mounting screws.

Item No.	Specifications	U/M	Std. Pkg.
15614	Blank 1/2" K.O. In Center (4" Sq Box)	EA	50
15615	Flat Blank (4" Sq Box)	EA	50
15616	1/2" Depth for Single Flush (4" Sq)	EA	50
15617	One Toggle Switch Cover (4" Sq Box)	EA	50
15618	Raised Single Duplex Receptacle (4" Sq Box)	EA	50
15619	Two Toggle Switch (4" Sq Box)	EA	50
15620	1 Switch & 1 Receptacle (4" Sq Box)	EA	50
15621	Twin Receptacles (4" Sq Box)	EA	50
15622	1/2" Raised GFCI Industrial Receptacle Cover	EA	50
15623	Raised 1/2" (4-11/16" Sq Box)	EA	50
15624	Blank 1/2" K.O. (4-11/16" Sq Box)	EA	50
15625	Duplex Receptacle (Handy Box)	EA	50
15626	Toggle Switch Cover (Handy Box)	EA	50
15627	Blank (Handy Box)	EA	50
15628	Blank 1/2" K.O. (Handy Box)	EA	50
15629	Flat Blank (4" Octagon Box)	EA	50
15630	Toggle Switch (4" Octagon Box)	EA	50
15631	Blank 1/2" K.O. (4" Octagon Box)	EA	50





WALL PLATES

- UL Listed.
- Smooth surface, easy to clean.

Item No.	Specifications	U/M	Std. Pkg.
15632	Single Toggle, Plastic, Ivory	EA	1
15633	Single Toggle, Plastic, White	EA	1
15634	Duplex Receptacle, Plastic, Ivory	EA	1
15635	Duplex Receptacle, Plastic, White	EA	1
15636	Blank, Plastic, White	EA	1



RED SAFETY SWITCH COVERS

- UL Listed.
- Provides extended life in abusive and corrosive environments.

Item No.	Specifications	U/M	Std. Pkg.
15637	4" x 4" Gas (4" Sq Box)	EA	1
15638	For Gas Utility/Handy Box (2-1/3" x 4-1/4")	EA	1
15639	For Gas- Flush Mount (2-3/4" x 4-1/2")	EA	1
15640	Oil for 4" Square Box	EA	1
15641	For Oil Utility/Handy Box (2-1/3" x 4-1/4")	EA	1
15642	Oil for Flush Mount (2-3/4" x 4-1/2")	EA	1

SWITCHES AND RECEPTACLES

STANDARD TOGGLE SWITCHES

- UL Listed.
- 15A-1/2HP, 120V.
- Includes matching metal mounting screws.



Item No.	Specifications	U/M	Std. Pkg.
15701	15A-1/2Hp 120V, SP Grounded, Brown	EA	10
15702	15A-1/2Hp 120V, SP Grounded, Ivory	EA	10
15707	15A-1/2Hp 120V, SP Grounded, White	EA	10
15703	15A-1/2Hp 120V, 3-Way, Brown	EA	10
15704	15A-1/2Hp 120V, 3-Way, Ivory	EA	10

PREMIUM TOGGLE SWITCHES

- UL Listed.
- 20A-1HP, 120-277V.
- Includes matching metal mounting screws.



Item No.	Specifications	U/M	Std. Pkg.
15708	20A-1Hp 120-277V, SP, Brown	EA	10
15709	20A-1Hp 120-277V, SP, Ivory	EA	10
15710	20A-1Hp 120-277V, DP, Brown	EA	10
15711	20A-1Hp 120-277V, DP, Ivory	EA	10

COMBINATION DEVICE

- UL Listed.
- Color in ivory.
- Single position switches.



Item No.	Specifications	U/M	Std. Pkg.
15712	Switch 15A 120V 1/2Hp W/ Receptacle	EA	10

STANDARD DUPLEX RECEPTACLES

- UL Listed.
- 15A, 125V.
- 2-Pole, 3-Wire grounding receptacles.

Item No.	Specifications	U/M	Std. Pkg.
15713	15A, 125V, Brown Receptacle	EA	10
15714	15A, 125V, Ivory Receptacle	EA	10
15715	15A, 125V, White Receptacle	EA	10

**PREMIUM DUPLEX RECEPTACLES**

- UL Listed.
- Side wired.
- 2-Pole, 3-Wire grounding receptacles.

Item No.	Specifications	U/M	Std. Pkg.
15716	15A, 125V, Brown Receptacle	EA	10
15717	15A, 125V, Ivory Receptacle	EA	10
15718	20A, 125V, Brown Receptacle	EA	10
15719	20A, 125V, Ivory Receptacle	EA	10

**COMMERCIAL GRADE GFCI**

- UL Listed.
- Indicator light provides visual reference of a trip.
- 2-Pole, 3-Wire grounding receptacles.
- Durable, impact-resistant thermoplastic construction.

Item No.	Specifications	U/M	Std. Pkg.
15720	15A Brown GFCI	EA	1
15721	15A Ivory GFCI	EA	1
15722	20A Brown GFCI	EA	1
15723	20A Ivory GFCI	EA	1

**TAMPER RESISTANT GFCI**

- UL Listed.
- Advanced electronics design provides superior resistance to electrical surges and over-voltages.
- Impact-resistant thermoplastic cover and body.

Item No.	Specifications	U/M	Std. Pkg.
15724	15A Brown Tamper Resistant	EA	1
15725	15A Ivory Tamper Resistant	EA	1
15726	20A Brown Tamper Resistant	EA	1
15727	20A Ivory Tamper Resistant	EA	1

**FUSES****IN-LINE FUSE LINKS**

- UL Listed.
- In-line straight fuse link, thermal cut-off.
- Used to protect the circuit.

Item No.	Specifications	U/M	Std. Pkg.
15528	Fuse Link In-Line 257 Temp	EA	5
15529	Fuse Link In-Line 300 Temp	EA	5
15530	Fuse Link In-Line 330 Temp	EA	5





FACE PLATE FUSE LINKS

- UL Listed.
- Ceramic base.
- Used to protect the circuit.

Item No.	Specifications	U/M	Std. Pkg.
15531	Fuse Link Face Plate 257 F, Straight	EA	5
15532	Fuse Link Face Plate Round 257 F, Right Angel	EA	5
15533	Fuse Link Face Plate Oval 300 F, Straight	EA	5
15534	Fuse Link Face Plate Round 300 F, Right Angel	EA	5
15535	Fuse Link Face Plate Oval 333 F, Straight	EA	5



GLASS BODY FUSES

- UL Listed.
- Transparent appearance for quick inspection of fuse conditions.

Item No.	Specifications	U/M	Std. Pkg.
17070	1Amps, 250V Glass Body Fuses	EA	1
17071	2Amps, 250V Glass Body Fuses	EA	1
17072	3Amps, 125V Glass Body Fuses	EA	1
17073	5Amps, 125V Glass Body Fuses	EA	1
17074	10Amps, 32V Glass Body Fuses	EA	1



DUAL ELEMENT FUSE

- UL Listed.
- Safe and effective.

Item No.	Specifications	U/M	Std. Pkg.
17020	3-2/10Amps, 300V Dual Element Fuses	EA	1



1/4" X 1-1/4" GLASS BODY FUSES

- UL Listed.
- Transparent appearance for quick inspection of fuse conditions.

Item No.	Specifications	U/M	Std. Pkg.
17041	1/10Amps, 250V, 1/4" x 1-1/4" Glass Body Fuses	EA	1
17042	1/4Amps, 250V, 1/4" x 1-1/4" Glass Body Fuses	EA	1
17043	1/2Amps, 250V, 1/4" x 1-1/4" Glass Body Fuses	EA	1
17044	3/4Amps, 250V, 1/4" x 1-1/4" Glass Body Fuses	EA	1
17045	1Amps, 250V, 1/4" x 1-1/4" Glass Body Fuses	EA	1
17046	1-1/4Amps, 250V, 1/4" x 1-1/4" Glass Body Fuses	EA	1
17047	1-1/2Amps, 250V, 1/4" x 1-1/4" Glass Body Fuses	EA	1
17048	2Amps, 250V, 1/4" x 1-1/4" Glass Body Fuses	EA	1
17049	2-1/2Amps, 250V, 1/4" x 1-1/4" Glass Body Fuses	EA	1
17050	3Amps, 250V, 1/4" x 1-1/4" Glass Body Fuses	EA	1
17051	4Amps, 250V, 1/4" x 1-1/4" Glass Body Fuses	EA	1
17052	5Amps, 250V, 1/4" x 1-1/4" Glass Body Fuses	EA	1
17053	6Amps, 250V, 1/4" x 1-1/4" Glass Body Fuses	EA	1
17054	7Amps, 250V, 1/4" x 1-1/4" Glass Body Fuses	EA	1
17055	8Amps, 250V, 1/4" x 1-1/4" Glass Body Fuses	EA	1
17056	10Amps, 250V, 1/4" x 1-1/4" Glass Body Fuses	EA	1
17057	15Amps, 32V, 1/4" x 1-1/4" Glass Body Fuses	EA	1
17058	20Amps, 32V, 1/4" x 1-1/4" Glass Body Fuses	EA	1
17059	30Amps, 32V, 1/4" x 1-1/4" Glass Body Fuses	EA	1

FLAT BLADE FUSES

- UL Listed.
- 32V flat blade fuse.
- Blade fuses made of premium materials, fast and precise fusing.
- Transparent appearance for quick inspection of fuse conditions.



Item No.	Specifications	U/M	Std. Pkg.
17000	3Amps, 32V Flat Blade Fuse	EA	1
17001	4Amps, 32V Flat Blade Fuse	EA	1
17002	5Amps, 32V Flat Blade Fuse	EA	1
17003	7-1/2Amps, 32V Flat Blade Fuse	EA	1
17004	10Amps, 32V Flat Blade Fuses	EA	1
17005	15Amps, 32V Flat Blade Fuse	EA	1
17006	20Amps, 32V Flat Blade Fuse	EA	1
17007	25Amps, 32V Flat Blade Fuse	EA	1
17008	30Amps, 32V Flat Blade Fuse	EA	1

UL CLASS RK5 FUSES

- UL Listed.
- Time-Delay.



Item No.	Specifications	U/M	Std. Pkg.
17100	10Amps, 250V UL Class Rk5 Fuses	EA	1
17101	15Amps, 250V UL Class Rk5 Fuses	EA	1
17102	20Amps, 250V UL Class Rk5 Fuses	EA	1
17103	25Amps, 250V UL Class Rk5 Fuse	EA	1
17104	30Amps, 250V UL Class Rk5 Fuse	EA	1
17105	35Amps, 250V UL Class Rk5 Fuse	EA	1
17106	40Amps, 250V UL Class Rk5 Fuse	EA	1
17107	45Amps, 250V UL Class Rk5 Fuse	EA	1
17108	50Amps, 250V UL Class Rk5 Fuse	EA	1
17109	60Amps, 250V UL Class Rk5 Fuse	EA	1
17110	70Amps, 250V UL Class Rk5 Fuse	EA	1
17111	80Amps, 250V UL Class Rk5 Fuse	EA	1
17112	100Amps, 250V UL Class Rk5 Fuse	EA	1
17113	125Amps, 250V UL Class Rk5 Fuse	EA	1
17131	10Amps, 600V UL Class Rk5 Fuse	EA	1
17132	15Amps, 600V UL Class Rk5 Fuse	EA	1
17133	20Amps, 600V UL Class Rk5 Fuse	EA	1
17134	25Amps, 600V UL Class Rk5 Fuse	EA	1
17135	30Amps, 600V UL Class Rk5 Fuse	EA	1
17136	35Amps, 600V UL Class Rk5 Fuse	EA	1
17137	40Amps, 600V UL Class Rk5 Fuse	EA	1
17138	45Amps, 600V UL Class Rk5 Fuse	EA	1
17139	50Amps, 600V UL Class Rk5 Fuse	EA	1
17140	60Amps, 600V UL Class Rk5 Fuse	EA	1
17141	70Amps, 600V UL Class Rk5 Fuse	EA	1
17142	80Amps, 600V UL Class Rk5 Fuse	EA	1
17143	100Amps, 600V UL Class Rk5 Fuse	EA	1

UL CLASS G FUSES

- UL Listed.
- Compact, time lag feature.
- Compact branch-circuit unit with high interrupting rating and current-limitation.



Item No.	Specifications	U/M	Std. Pkg.
17201	10Amps, 600V UL Class G Fuse	EA	1
17202	15Amps, 600V UL Class G Fuse	EA	1
17203	20Amps, 600V UL Class G Fuse	EA	1
17204	25Amps, 600V UL Class G Fuse	EA	1
17205	30Amps, 480V UL Class G Fuse	EA	1



ONE TIME FUSES

- UL Listed.
- Highly durable.
- Do not have a time delay feature and thus should not be specified in circuits where large transients or motor overloads occur.
- For general purpose circuits, size at ampere rating of circuit.

Item No.	Specifications	U/M	Std. Pkg.
17220	30Amps, 250V One Time Fuse	EA	1
17221	35Amps, 250V One Time Fuse	EA	1
17222	40Amps, 250V One Time Fuse	EA	1
17223	45Amps, 250V One Time Fuse	EA	1
17224	50Amps, 250V One Time Fuse	EA	1
17225	60Amps, 250V One Time Fuse	EA	1



PLUG FUSES TYPE TL

- UL Listed.
- Highly durable.
- Use in residential or light-duty circuits that contain electric motors.
- These fuses thread into fuse receptacles.

Item No.	Specifications	U/M	Std. Pkg.
17301	15Amps, 125V Plug Fuse Type TL	EA	1
17302	20Amps, 125V Plug Fuse Type TL	EA	1
17303	25Amps, 125V Plug Fuse Type TL	EA	1
17304	30Amps, 125V Plug Fuse Type TL	EA	1



PLUG FUSES TYPE T

- UL Listed.
- Highly durable.
- Used to protect critical motor circuits or motors that cycle on/off frequently.
- This spring loaded design provides superior short circuit and overload protection.

Item No.	Specifications	U/M	Std. Pkg.
17315	6-1/4Amps, 125V Plug Fuse Type T	EA	1
17316	8Amps, 125V Plug Fuse Type T	EA	1
17317	10Amps, 125V Plug Fuse Type T	EA	1
17318	12Amps, 125V Plug Fuse Type T	EA	1
17319	15Amps, 125V Plug Fuse Type T	EA	1
17320	20Amps, 125V Plug Fuse Type T	EA	1
17321	25Amps, 125V Plug Fuse Type T	EA	1
17322	30Amps, 125V Plug Fuse Type T	EA	1



PLUG FUSES TYPE S

- UL Listed.
- Use to protect critical motor circuits or motors that cycle on/off frequently.

Item No.	Specifications	U/M	Std. Pkg.
17335	1-6/10Amps, 125V Plug Fuse Type S	EA	1
17339	6.25Amps, 125V Plug Fuse Type S	EA	1
17340	10Amps, 125V Plug Fuse Type S	EA	1
17341	15Amps, 125V Plug Fuse Type S	EA	1
17342	20Amps, 125V Plug Fuse Type S	EA	1
17343	25Amps, 125V Plug Fuse Type S	EA	1
17344	30Amps, 125V Plug Fuse Type S	EA	1

FUSE ADAPTERS TYPES

- UL Listed.
- Screw into edison thread fuse sockets.
- Once installed, rejection base adapters accept only rejection base fuses.

Item No.	Specifications	U/M	Std. Pkg.
17400	1-6/10 Amp, Fuse Adapter Type S	EA	1
17401	15 Amp, Fuse Adapter Type S	EA	1
17402	20 Amp, Fuse Adapter Type S	EA	1



FUSE ADAPTERS

- UL Listed.
- Highly durable.

Item No.	Specifications	U/M	Std. Pkg.
17421	60-30 Class R Reducer, 250V	PR	1
17422	60-30 Class H Reducer, 250V	PR	1



BOX COVER UNITS

- UL Listed.
- Designed for use with the type T plug fuses.

Item No.	Specifications	U/M	Std. Pkg.
43002	Plug Fuse Base Only, Handy Box	EA	1
43004	Box Cover Unit W/Switch for 2 1/4" Handy Box	EA	1
43006	Box Cover Unit W/Switch for 4" Square Box	EA	1
43008	Box Cover Unit W/Receptacle for Handy Box	EA	1



FUSEHOLDERS

- Ideal for ATC vane type fuses.
- Easy and convenient to use.

Item No.	Specifications	U/M	Std. Pkg.
43010	16AWG Wire Fuseholder, 16A	EA	1
43011	12AWG Wire Fuseholder, 24A	EA	1

- Wire leads.
- Easy and convenient to use.

Item No.	Specifications	U/M	Std. Pkg.
43012	1/4" In-Line Fuseholder W/Leads, 32V	EA	1



ELECTRICAL WIRE

MC TYPE ALUMINUM CLAD CABLES

- UL Listed.
- Lightweight aluminum interlocked armor.
- Conductors: Soft annealed copper.
- Safe and efficient.

Item No.	Specifications	U/M	Std. Pkg.
41501	14/2 250' AL Clad Cable W/Ground	RL	1
41502	12/2 250' AL Clad Cable W/Ground	RL	1





THERMOSTAT WIRE

- UL Listed.
- PVC jacket, ensures excellent strip ability.
- Features solid bare copper conductors.
- Free from restricted metals and hazardous compounds.
- Smooth jacket eliminates snagging and tearing.

Item No.	Specifications	U/M	Std. Pkg.
41522	18AWG 2 Conductors UL Thermostat Wire, 500Ft/Spool	RL	4
41523	18AWG 3 Conductors UL Thermostat Wire, 500Ft/Spool	RL	4
41524	18AWG 4 Conductors UL Thermostat Wire, 250Ft/Spool	RL	4
41525	18AWG 5 Conductors UL Thermostat Wire, 250Ft/Spool	RL	4
41526	18AWG 6 Conductors UL Thermostat Wire, 250Ft/Spool	RL	4
41527	18AWG 7 Conductors UL Thermostat Wire, 250Ft/Spool	RL	4
41528	18AWG 8 Conductors UL Thermostat Wire, 250Ft/Spool	RL	4
41530	18AWG 10 Conductors UL Thermostat Wire, 250Ft/Spool	RL	4
41532	20AWG 2 Conductors UL Thermostat Wire, 500Ft/Spool	RL	4
41533	20AWG 3 Conductors UL Thermostat Wire, 500Ft/Spool	RL	4
41534	20AWG 4 Conductors UL Thermostat Wire, 250Ft/Spool	RL	4
41535	20AWG 5 Conductors UL Thermostat Wire, 250Ft/Spool	RL	4
41536	20AWG 6 Conductors UL Thermostat Wire, 250Ft/Spool	RL	4
41537	20AWG 7 Conductors UL Thermostat Wire, 250Ft/Spool	RL	4
41538	20AWG 8 Conductors UL Thermostat Wire, 250Ft/Spool	RL	4
41540	20AWG 10 Conductors UL Thermostat Wire, 250Ft/Spool	RL	4

NOTES

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper has a slight shadow on its right side, suggesting it's resting on a surface.

RELAYS

GENERAL PURPOSE RELAYS - 9400 SERIES

- UL Listed.
- For heating and cooling applications and general switching.
- Compact, totally enclosed design.

Item No.	Specifications	U/M	Std. Pkg.
15556	Relay, Spst-No 24VAC 18Amp	EA	1
15557	Relay, Spst-No 120VAC 18Amp	EA	1
15558	Relay, Spst-No 240VAC 18Amp	EA	1
15559	Relay, Spdt 24VAC 18Amp	EA	1
15560	Relay, Spdt 120VAC 18Amp	EA	1
15561	Relay, Spdt 240VAC 18Amp	EA	1
15562	Relay, Spst No+Nc 24VAC 18Amp	EA	1
15563	Relay, Spst No+Nc 120VAC 18Amp	EA	1
15564	Relay, Spst No+Nc 240VAC 18Amp	EA	1



GENERAL PURPOSE RELAYS - 8400 SERIES

- UL Listed.
- For heating and cooling applications and general switching.
- Compact, totally enclosed design.

Item No.	Specifications	U/M	Std. Pkg.
15572	Relay, Spst-No 24VAC 16/8Amp	EA	1
15573	Relay, Spst-No 120VAC 16/8Amp	EA	1
15574	Relay, Spst-No 240VAC 16/8Amp	EA	1
15575	Relay, Spdt 24VAC 8/8Amp	EA	1
15576	Relay, Spdt 120VAC 8/8Amp	EA	1
15577	Relay, Spdt 240VAC 8/8Amp	EA	1



GENERAL PURPOSE SWITCHING RELAYS

- UL Listed.
- For heating and cooling applications and general switching.
- Compact, totally enclosed design.
- The base is designed for easy replacement of competitive relays.

Item No.	Specifications	U/M	Std. Pkg.
15578	Switching Relays, 24V Power 1-2-3, Power 4-5-6	EA	1
15579	Switching Relays, 110/120V Power 1-2-3, Power 4-5-6	EA	1
15580	Switching Relays, 208/240V Power 1-2-3, Power 4-5-6	EA	1



POTENTIAL RELAYS

- UL Listed.
- Offers a variety of mounting positions.

Item No.	Specifications	U/M	Std. Pkg.
15581	Potential Relay, 168V, Pickup 140/153, Drop-Out 45 Max	EA	1
15582	Potential Relay, 395V, Pickup 242/272, Drop-Out 140 Max	EA	1
15583	Potential Relay, 395V, Pickup 223/252, Drop-Out 130 Max	EA	1





50240A



50240B



50240C



50201B



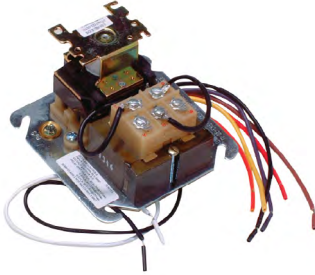
50241A

TRANSFORMERS

HEATING/COOLING CONTROL TRANSFORMER

- Mounts directly to electrical box.
- Transformer primary voltage 120/208/240V.
- Transformer secondary VA rating 24V.
- Relay type DPDT.

Item No.	Specifications	U/M	Std. Pkg.
50201B	20Va, 120V/24V, 9" Leadwire Foot Mount	EA	1
50240A	40Va, 120V/24V, 9" Leadwire Foot Mount	EA	1
50240B	40Va, 120V/24V, Screw Terminal Foot Mount	EA	1
50240C	40Va, 120V/24V, Conduit Mount W/Plate	EA	1
50241A	40Va, 120V/208V/240V 24V, 9" Leadwire Foot Mount	EA	1



FAN CENTERS

- Mounts directly to electrical box.
- Transformer primary voltage 120/208/240V.
- Transformer secondary VA rating 24V.
- Relay type DPDT.

Item No.	Specifications	U/M	Std. Pkg.
15584	120V Fan Center, SPDT	EA	1
15585	208/240V Fan Center, DPDT	EA	1

IGNITERS

HOT SURFACE FURNACE IGNITERS

- Includes hardware and installation instructions for replacement of flat and spiral hot surface igniters.
- Designed to reach ignition temperature in 17 seconds making kit compatible with 17, 34, and 45 second warm up modules.



Item No.	Specifications	U/M	Std. Pkg.
16401	[41-401] Hot Surface Furnace Ignitor	EA	1
16402	[41-402] Hot Surface Furnace Ignitor	EA	1
16403	[41-403] Hot Surface Furnace Ignitor	EA	1
16404	[41-404] Hot Surface Furnace Ignitor	EA	1
16405	[41-405] Hot Surface Furnace Ignitor	EA	1
16406	[41-406] Hot Surface Furnace Ignitor	EA	1
16407	[41-407] Hot Surface Furnace Ignitor	EA	1
16408	[41-408] Hot Surface Furnace Ignitor	EA	1
16409	[41-409] Hot Surface Furnace Ignitor	EA	1
16410	[41-410] Hot Surface Furnace Ignitor	EA	1
16411	[41-411] Hot Surface Furnace Ignitor	EA	1
16412	[41-412] Hot Surface Furnace Ignitor	EA	1
16414	[41-414] Hot Surface Furnace Ignitor	EA	1

HOT SURFACE FURNACE IGNITERS

- Correct OEM plug requires no modifications.
- Disconnect the device from the power source before servicing.
- It is a fragile item, please be extra careful when removing it from the package and installing it.
- Do not use for HVAC applications.



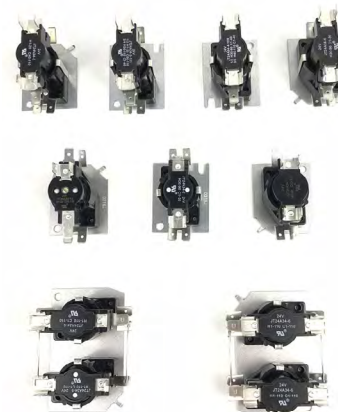
Item No.	Specifications	U/M	Std. Pkg.
16418	[41-418] 5-1/4" Norton Hot Surface Ignitor W/Brackets	EA	1

HEAT SEQUENCERS

ELECTRIC HEAT SEQUENCERS

- UL Listed.
- Electric heating.

Item No.	Specifications	U/M	Std. Pkg.
15520	1 Main Circuit / Spst 1-20 On / 40-110 Off Delay	EA	1
15521	1 Main Circuit / Spst 30-90 On / 1-30 Off Delay	EA	1
15522	2 Main Circuit / Dpst 1-20 On / 40-110 Off Delay	EA	1
15523	2 Main Circuit / Dpst 30-90 On / 1-30 Off Delay	EA	1
15524	2 Main Staged / 2 Spst 1/2 30-80 On, 1-40 Off Delay 3/4 40-110 On, 1-40 Off Delay	EA	1
15525	2 Main Staged / 2 Spst 1/2 1-25 On, 50-110 Off Delay 3/4 30-110 On, 1-40 Off Delay	EA	1
15526	3 Main Staged / Dpst/Spst 1-110 On / 1-110 Off Delay	EA	1
15527	3 Main Staged / Dpst/Spst 1-110 On / 1-110 Off Delay	EA	1

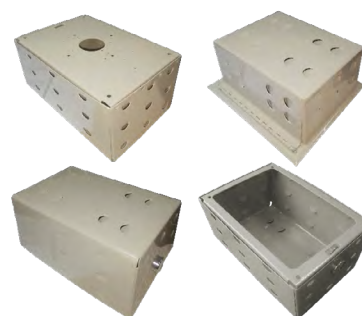


THERMOSTAT

METAL THERMOSTAT GUARDS

- 20GA steel.
- Highly durable.

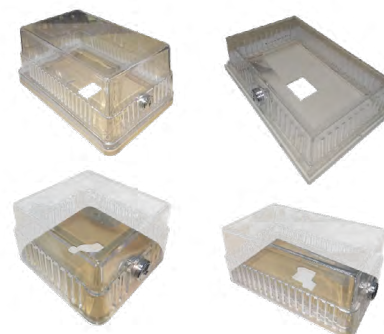
Item No.	Specifications	U/M	Std. Pkg.
15542	[VLW] Beige Metal, Ring: 6" H x 3 13/16" W x 3 1/8" D	EA	1
15543	[VL] Beige Metal, Solid: 6 1/4" H x 4 3/4" W x 3" D	EA	1
15544	[UM] Beige Metal, 7 1/4" H x 5 3/8" W x 3 1/2" D	EA	1
15545	[UWM] Beige Metal, 8 1/8" H x 4 5/8" W x 3 5/8" D	EA	1



PLASTIC THERMOSTAT GUARDS

- Highly durable.

Item No.	Specifications	U/M	Std. Pkg.
15546	[UK2] Clear Plastic, Solid: 8 1/4" H x 5 3/8" W x 3 1/2" D Ring: 8 1/8" H x 4 5/8" W x 3 5/8" D	EA	1
15547	[EK] Clear Plastic, Solid: 3 7/8" H x 3 1/2" W x 2 1/2" D	EA	1
15548	[K] Clear Plastic, Solid: 5 1/4" H x 4 3/8" W x 3" D, Ring: 5 1/4" H x 4 5/8" W x 3 1/4" D	EA	1
15549	[RK] Clear Plastic, Solid: 6 3/8" H x 3 1/2" W x 3" D, Ring: 6 3/8" H x 3 1/2" W x 3 1/4" D	EA	1
15550	[DK] Clear Plastic, Solid: 4 1/4" H x 7 5/8" W x 2 1/8" D, Ring: 4 1/8" H x 7 1/16" W x 2 1/4" D	EA	1



THERMOSTAT GUARD TUMBLER KEY

- For use with all thermostat guards.

Item No.	Specifications	U/M	Std. Pkg.
15551	Key for Thermostat Guards	EA	1



ELECTRONICS & CONTROLS

[illegible]

HAND TOOLS

PIPE CUTTERS

- Excellent for cutting tubing insulation.
- Strong nylon handle.
- Extremely sharp, made of durable high-quality carbon tool steel with a long service life.
- Easy and safe to store with locking mechanism.
- Works great with all tubing sizes up to and over 1 inch.

Item No.	Specifications	U/M	Std. Pkg.
36101	Junior Pipe & Hose Cutter	EA	1
36102	2 Sets Pipe Cutter Replacement Blades	PK	1
36103	Big Pipe Cutter	EA	1



RATCHET CUTTER

- Durable pipe cutter for cutting PVC, plastic & rubber tubing.
- Great helper for home handy man, plumbers, electricians, and vehicle mechanics.
- Easy operation, one-hand fast poly pipe cutter tool with ratchet drive for cutting less than 1-5/8-Inch.
- Professional pipe cutter adopts ratchet drive technology to greatly save your strength.
- In the bottom of pipe cutter, there have a stainless buckle.
- When you don't use it, you can buckle the safe lock.

Item No.	Specifications	U/M	Std. Pkg.
36104	Ratchet Pipe Cutter	EA	1



WIRE STRIPPERS

- Ideal for copper and aluminum cables from 10-22 AWG. Built in wire cutter.
- Simple operation. Simple one-handed motion grabs, holds, pulls and removes outer jacket makes clean cuts on wires.
- Comfortable hand feeling, ergonomically design and optimal force-transmission.
- Easy twisting and pulling provided by the serrated nose that holds cable with out slipping.
- Spring loaded for self-opening action.

Item No.	Specifications	U/M	Std. Pkg.
36107	Wire Strippers-Cutter	EA	1



TENSIONING TOOL

- Strong solid metal construction, red paint craft surface, tough and durable.
- Simple operation. Automatic tie cut-off, built-in cable tie cutter.
- Comfortable hand feeling. Pistol-style grip for comfort, adjustable tension.
- Strong solid metal construction makes it work efficiently.

Item No.	Specifications	U/M	Std. Pkg.
36108	Tensioning Tool	EA	1



UTILITY KNIVES

- Patented interlocking nose to hold blade securely.
- Includes 3 utility blades per knife.
- Sharper than standard heavy-duty blades.
- Retractable blade, blade storage in handle.
- The tail of the knife body with hang rope design, you can hang up the knife on the wall or the tool holder.

Item No.	Specifications	U/M	Std. Pkg.
36109	Utility Knife W/2 Blades	EA	1
36110	Utility Knife Blades(5/Card)	PK	10
36111	Blade Dispenser with 100 Blades	PK	10
36112	Single Edge Blades, 100/PK	PK	10





DUCTBOARD KNIVES

- Cut duct board, flex-duct and insulation.
- Puncture resistant nylon sheath with belt loop.
- Cushion-Grip handle for comfort.
- Solid and durable, longer, sharper and better other duct knives.
- Designed for the HVAC contractor, great for all construction trade professionals.

Item No.	Specifications	U/M	Std. Pkg.
36113	Ductboard Knife with Sheath	EA	1



DEBURRING TOOL

- Designed for removing burr from steel, aluminum, copper, brass and plastic pipes.
- Delivers high performance and quality.
- Can carry anywhere and replace the blade by a simple push button.
- The sharpness of the cutting edge and the hardness and toughness of the blade are excellent.
- Easy to use and flexible.

Item No.	Specifications	U/M	Std. Pkg.
36114	Deburring Tool	EA	12
36125	Blades for Deburring Tool	EA	12



MAGNETIC NUTSETTERS

- With black phosphate coating, it can improve hardness, high strength and wear/corrosion resistance.
- Easy to carry and store.
- Bell-shaped and magnetic hexagonal inserts can securely fix the drill in place to speed up installation.
- Easy to install and disassemble, not easy to fall off during use.
- Has a long life and good durability.

Item No.	Specifications	U/M	Std. Pkg.
36115	1/4" x 1 5/8" Mag Nutsetter	EA	50
36116	Magnetic Nutsetter 1/4" x 2-9/16"	EA	50
36117	5/16" x 2 9/16" Mag Nutsetter	EA	50



SCREWDRIVER

- 2 phillips & 2 flat blades.
- 1/4" & 5/16" nutdrivers.
- Excellent grip and user comfort.
- Cushion grip handle for comfort and control, it helps you to use very easily.
- Precision-machined tips for accurate fastener contact.

Item No.	Specifications	U/M	Std. Pkg.
36118	6-In-1 Screwdriver	EA	12



CAULKING GUNS

- All metal or plastic construction.
- Smooth and strong pressure.
- Comfortable pistol grip puncture wire and tip cutter included.

Item No.	Specifications	U/M	Std. Pkg.
36119	Caulking Gun Economy 1/10 Gallon	EA	40
36120	Nylon Caulk Gun	EA	18

9" MAGNETIC TORPEDO LEVEL

- 3 different bubbles for plumb, level, and 45 degree provide the maximum readability for measurements.
- Ultra-small size, easy to carry and store. High-visibility orange body, features hole for easy hanging.
- Wide range of applications, very suitable for decoration, household items and related alignment work.

Item No.	Specifications	U/M	Std. Pkg.
36121	9" Magnetic Torpedo Level	EA	12



PROFESSIONAL TOOLS

HOLE CUTTERS

- Cuts 2" to 12" holes in sheet metal.
- Quality bearings assure a long cutting life.
- Excellent user comfort.
- Installs into standard electric drill chucks.
- Features an adjustable pivot point for accurate hole size.

Item No.	Specifications	U/M	Std. Pkg.
36105	Sheet Metal Hole Cutter	EA	1
36106	Replacement Bits (5 Pack)	PK	1



SELF LIGHTING TORCH

- Stainless steel burn tube, cast aluminum body, brass burn tip.
- Pressure regulated with adjustable flame control valve.
- Pull trigger to light the torch.
- Safety trigger lock holds flame for extended periods.
- Pressure regulation allows the flame to burn in any direction and ensures consistent performance.
- Easy grip handle made of high impact plastic for high lasting durability.

Item No.	Specifications	U/M	Std. Pkg.
42540	Self Lighting Torch	EA	1



SWIVEL HEAD TORCH

- Brass constructed body and threading regulator assure durability and reliability.
- Burner tip swivels 360°, allowing the combustion to rotate in all degree of freedom during operation.
- Easily ignites the flame. Provides maximum temperature up to 1360 °C , resist flame blowout and reduce brazing time by 30%.
- Use with MAPP or propane fuel.
- The flame can be easily ignited, the adjustable flame control knob can easily adjust the flame size, suitable for different applications and turn off the flame.

Item No.	Specifications	U/M	Std. Pkg.
42541	Swivel Head Torch	EA	1



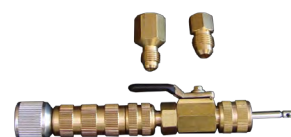
VALVE CORE REMOVER/INSTALLER KIT

- Remove valve core for vacuum or charge.
- No gas loss.
- Ball valve shut-off.
- Save valuable service time.

Item No.	Specifications	U/M	Std. Pkg.
65020	Valve Core Remover/Installer Kit W/Access Port	EA	1

- Kit offers 1/2"-20 UNF and 1/4" flare fittings for all refrigerant applications.

Item No.	Specifications	U/M	Std. Pkg.
65021	Universal Valve Core Remover/Installer Kit	EA	1





SERVICE VALVE TOOL

- A slip-resistant grip and wrench flats allow for maximum leverage.
- Easy-to-read tip marking on the handle.
- Designed to last with a heattreated, chrome-plated shaft.

Item No.	Specifications	U/M	Std. Pkg.
65022	Service Valve Key, Hex 3/16", Hex 5/16"	EA	1



MADE IN USA

NIPPLE BOXES

COMBO NIPPLE BOX

- Hold both 1/2" & 3/4" nipples hold (39) 1/2" CL thru 6".
- Hold (33) 3/4" CL thru 6" .
- Enameled steel.
- Fold away handle.

Item No.	Specifications	U/M	Std. Pkg.
36407	Combo Nipple Box (1/2" & 3/4")	EA	1



MADE IN USA

FITTING TOTE TRAY

- 8 compartments.
- 20" x 10" x 5" .
- 18 gauge enameled steel.
- Fold away handle.

Item No.	Specifications	U/M	Std. Pkg.
36408	Fitting Tote Tray (8 Dividers)	EA	1
36409	Fitting Tote Tray (No Dividers)	EA	1



MADE IN USA

NIPPLE BOXES

- Holds CL thru 6" nipples.
- Light weight yet strong.
- Fold away handle.
- Epoxy coated steel.

Item No.	Specifications	U/M	Std. Pkg.
36410	1/2" Nipple Box (Hold 77)	EA	1
36411	3/4" Nipple Box (Hold 66)	EA	1
36412	1" Nipple Box (Hold 50)	EA	1
36413	1 1/4" Nipple Box (Hold 40)	EA	1
36414	1 1/2" Nipple Box (Hold 30)	EA	1
36415	2" Nipple Box (Hold 27)	EA	1



MANIFOLD SET & PARTS

2-WAY BRASS MANIFOLD SET

- Includes high pressure, 60" long, blue, yellow, and red enviro-guard hoses with quick seal fittings and a convenient rotating hanging hook.
- Robust solid brass bar is forged for long life.
- Extra large sight glass for visual check.

Item No.	Specifications	U/M	Std. Pkg.
65001	2-Way Brass Manifold Set	SET	1

REPLACEMENT GAUGES FOR MANIFOLD SET

- 1/8" NPT male connection.
- Impact resistant lexan crystals.
- Easy calibration.
- R410A, R22, R404A.

Item No.	Specifications	U/M	Std. Pkg.
65002	Replacement Gauge for Manifold Set, Blue	EA	1
65003	Replacement Gauge for Manifold Set, Red	EA	1

**REPLACEMENT CHARGING HOSES**

- 1/4" SAE screw thread.
- High pressure, oil-resistant, durable, wear-resistant, corrosion-resistant, easy to install and use.

Item No.	Specifications	U/M	Std. Pkg.
65004	3' Replacement Charging Hose, Yellow	EA	1
65005	3' Replacement Charging Hose, Red	EA	1
65006	3' Replacement Charging Hose, Blue	EA	1
65007	5' Replacement Charging Hose, Yellow	EA	1
65008	5' Replacement Charging Hose, Red	EA	1
65009	5' Replacement Charging Hose, Blue	EA	1
65010	6' Replacement Charging Hose, Yellow	EA	1
65011	6' Replacement Charging Hose, Red	EA	1
65012	6' Replacement Charging Hose, Blue	EA	1
65013	3' Replacement Charging Hose Set, 3 Color	SET	1
65014	5' Replacement Charging Hose Set, 3 Color	SET	1
65015	6' Replacement Charging Hose Set, 3 Color	SET	1

**REFRIGERANT COUPLINGS**

- Connects any standard 1/4" SAE refrigerant hose.
- Solid brass construction for dependable service.

Item No.	Specifications	U/M	Std. Pkg.
65031	1/4" Sae Straight Shut Off Coupler	EA	1
65032	1/4" Sae 90° Shut Off Coupler	EA	1
65033	Coupler Service Kit	EA	1

**INSPECTION TOOLS****EXTENSIBLE MATCH**

- Made of durable chrome plated brass.
- Retracts to 5" long.
- Easy to carry.

Item No.	Specifications	U/M	Std. Pkg.
36402	Extensible Match	EA	12

**EXTENSIBLE INSPECTION MIRROR**

- Ball joint connection.
- Mirror without distortion.
- Telescopic pole.

Item No.	Specifications	U/M	Std. Pkg.
36403	2-1/4" Round Extensible Inspection Mirror	EA	12
36404	1" x 2" Oval Extensible Inspection Mirror	EA	12
36405	2 1/8" x 3 1/4" Extensible Mirror	EA	12
36406	3 1/4" Round Extensible Mirror	EA	12





DIGITAL THERMOMETER

- Stainless steel stem.
- Auto-off.
- Sensor fault display.
- Pocket clip case. With a protective cover, it is not easy to break, light weight and can be carried with you.
- Easy to read and get accurate results.

Item No.	Specifications	U/M	Std. Pkg.
42536	Digital Thermometer	EA	80



INFRARED THERMOMETER

- Accuracy: $\pm 2\%$ of reading.
- Distance spot ratio: 12:1.
- Backlit LCD, low battery indicator, auto power off function.

Item No.	Specifications	U/M	Std. Pkg.
62030	Infrared Thermometer W/Laser	EA	1



POCKET DIAL THERMOMETER

- Easy to use and easy to clean.
- A durable plastic sleeve serves as a holder and makes the measurement safe.
- Easy to read and get accurate results.
- Made of high-quality stainless steel, it has good anti-rust performance and is durable.
- With a protective cover, it is not easy to break, light weight and can be carried with you.

Item No.	Specifications	U/M	Std. Pkg.
42537	1" Pocket Thermometer 0/220F	EA	25



TAPE MEASURE

- Impact resistant rubberized case for shock absorption and non-slip gripping.
- Superior internal mechanism provides smooth operation.

Item No.	Specifications	U/M	Std. Pkg.
62001	1" x 25' Tape Measure	EA	1



LEAK DETECTOR

- Digital micro processor.
- Visual leak indicator.
- Reset feature.
- Keypad control.
- Sensitivity level adjustment.

Item No.	Specifications	U/M	Std. Pkg.
62010	Refrigerant Leak Detector	EA	1
62011	Refrigerant Leak Detector W/UV Blue Light	EA	1



HEAT/COOL CALCULATOR

- Automatically calculates sub cool and superheat.
- Pressure displays in kg/cm², MPa, Bar, PSI (0-600 PSI) .
- Displays bubble, saturated and dew point temperatures.

Item No.	Specifications	U/M	Std. Pkg.
62035	Compact Supercool/Superheat Calculator	EA	1

A/C ANALYZER

- Pressure transducer for direct system readings.
- Provides all the functions of a high-end anemometer: airflow volume, air velocity, dry bulb temperature, wet bulb temperature, relative humidity and dew point.
- Operating temp.: 32°F to 122°F.
- Storage temp.: -4°F to 122°F.

Item No.	Specifications	U/M	Std. Pkg.
62036	System Analyzer W/Round Vane, Thermocouple, Pressure Transducer	SET	1

**PIPE & TUBE TOOLS****LEVER TUBE BENDER**

- Makes clean bends in aluminum, copper and steel tubing.
- Lever action for easy and precise bending without collapsing tube walls.
- Marked degrees gauge accurate angle 0-180°.
- Solid cast steel construction with machined and painted surfaces.

Item No.	Specifications	U/M	Std. Pkg.
64501	4-In-1 Lever Tube Bender, 3/16", 1/4", 5/16", 3/8"	EA	1

**FLARING TOOLS**

- Flares 7 sizes: 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" and 5/8" O.D. tubing.
- Durable forged steel slip-on yoke.
- Flaring bar is hardened, highly polished and nickel chrome plated.

Item No.	Specifications	U/M	Std. Pkg.
64520	Standard Flaring Tool	EA	1

**METAL TUBE CUTTERS****TUBE CUTTERS**

- Small size for use in tight spaces.
- Use for aluminum, copper, brass, stainless steel or other tubing.
- Easy operation.

Item No.	Specifications	U/M	Std. Pkg.
64505	Ez Tube Cutter, 1/8" - 5/8"	EA	1
64506	Ez Tube Cutter, 3/8" - 1 1/8"	EA	1

**HEAVY DUTY TUBE CUTTERS**

- Small size for use in tight spaces.
- Use for aluminum, copper, brass, stainless steel or other tubing.
- Rugged die-cast aluminum body.

Item No.	Specifications	U/M	Std. Pkg.
64507	Heavy Duty Tube Cutter, 1/8" - 1 1/8"	EA	1
64508	Heavy Duty Tube Cutter, 1/4" - 1 1/2"	EA	1

**RATCHET STYLE TUBE CUTTERS**

- Adjustable tubing cutter with handle and hardened steel blade.
- Allows cutting all the way around.
- Easy operation.

Item No.	Specifications	U/M	Std. Pkg.
64509	Ratchet Style Tube Cutter, 1/4" - 7/8"	EA	1
64510	Ratchet Style Tube Cutter, 5/16" - 1 1/8"	EA	1





FLARING TOOLS

- Heavy duty tube cutter size 1/8" to 1-1/8".
- 7 sizes of standard 45° flaring tool: 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" and 5/8" O.D. tubing.
- 5 sizes of flaring adapters: 3/16", 1/4", 5/16", 3/8" and 1/2".

Item No.	Specifications	U/M	Std. Pkg.
64522	Wide Range 45° Flaring & Cutting Tool Kit	SET	1



- High quality commercial kit.
- Sizes include: 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8" & 3/4" O.D.
- Swage adapters sizes: 3/16", 1/4", 5/16", 3/8", 1/2", 5/8" & 3/4" O.D. tubing.

Item No.	Specifications	U/M	Std. Pkg.
64523	Flaring & Swaging Tool Kit	SET	1



- Hardened flaring bar.
- Flares 1/4" to 3/4" O.D. tubing .
- Auto centering yoke.

Item No.	Specifications	U/M	Std. Pkg.
64524	Eccentric Flaring Tool, 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	EA	1



- Aluminum design is lightweight and durable.
- Automatic torque release.
- Fast and easy operation.

Item No.	Specifications	U/M	Std. Pkg.
64525	Eccentric Flaring Tool Kit	SET	1



- Universal hydraulic flaring tool kit.
- Push connect flare: 1/4", 5/16" and 3/8" .
- GM fuel line flare: 5/16", and 3/8" .
- Metric bubble flare: 4.75mm, 6mm, 8mm & 10mm.

Item No.	Specifications	U/M	Std. Pkg.
64526	Hydraulic Flaring & Expanding Tool Kit (7 Head Kit)	SET	1
64527	Hydraulic Flaring & Expanding Tool Kit (10 Head Kit)	SET	1



- Flares 7 sizes: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" & 7/8" .
- Fast and easy operation.

Item No.	Specifications	U/M	Std. Pkg.
64528	Hydraulic Flaring Accessory	SET	1



SWAGING TOOLS

- Features a hand-held hydraulic press, can accurately flare and swage copper tubing. includes dies and adapters for flaring and swaging copper tubing sizes 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" and 7/8".

Item No.	Specifications	U/M	Std. Pkg.
64529	Hydraulic Flaring & Swaging Tool Kit	SET	1



- Fabricates and expands copper, aluminum and soft steel tubing using hydraulic power.
- Small adapter and inner-outer reamer.

Item No.	Specifications	U/M	Std. Pkg.
64530	Hydraulic Tube Expanding Tool Kit, Up To 1 1/8"	SET	1
64531	Hydraulic Tube Expanding Tool Kit, Up To 2 1/8"	SET	1



- Use for soft copper, aluminum & brass tubing.
- Eliminates the need for couplings.

Item No.	Specifications	U/M	Std. Pkg.
64540	1/4" Swaging Punch Tool	EA	1

CONDUIT STRAPS

CONDUIT REDUCING WASHERS

- 10 per package

Item No.	Specifications	U/M	Std. Pkg.
41111	3/4" x 1/2" Reducing Washers, 10/PK	PK	1
41112	1" x 1/2" Reducing Washers, 10/PK	PK	1
41113	1" x 3/4" Reducing Washers, 10/PK	PK	1
41114	1 1/4" x 1/2" Reducing Washers, 10/PK	PK	1
41115	1 1/4" x 3/4" Reducing Washers, 10/PK	PK	1
41116	1 1/4" x 1" Reducing Washers, 10/PK	PK	1
41117	1 1/2" x 1/2" Reducing Washers, 10/PK	PK	1
41118	1 1/2" x 3/4" Reducing Washers, 10/PK	PK	1
41119	1 1/2" x 1" Reducing Washers, 10/PK	PK	1
41120	1 1/2" x 1 1/4" Reducing Washers, 10/PK	PK	1



1 & 2 HOLE RIGID CONDUIT STRAPS

- Secures piping to studs or joists to reduce vibration noise.
- Feature a reinforced rib for extra strength.
- Snap-on installation. Two screw holes allow the installer to secure pipes on walls and ceilings.
- Durable galvanized steel, highly resistant to oxidation, rust-free and wear-resistant.
- Special slotted design makes it more sturdy and not easy to deform.

Item No.	Specifications	U/M	Std. Pkg.
41121	3/8" Rigid, 1 Hole Steel Strap	EA	200
41122	1/2" Rigid, 1 Hole Steel Strap	EA	100
41123	3/4" Rigid, 1 Hole Steel Strap	EA	50
41124	1" Rigid, 1 Hole Steel Strap	EA	25
41125	1 1/4" Rigid, 1 Hole Steel Strap	EA	25
41126	1 1/2" Rigid, 1 Hole Steel Strap	EA	20
41127	2" Rigid, 1 Hole Steel Strap	EA	10
41128	1/2" Rigid, 2 Hole Steel Strap	EA	50
41129	3/4" Rigid, 2 Hole Steel Strap	EA	50
41130	1" Rigid, 2 Hole Steel Strap	EA	25
41131	1 1/4" Rigid, 2 Hole Steel Strap	EA	20
41132	1 1/2" Rigid, 2 Hole Steel Strap	EA	100
41133	2" Rigid, 2 Hole Steel Strap	EA	50



1 & 2 HOLE E.M.T. STRAPS

Item No.	Specifications	U/M	Std. Pkg.
41134	1/2" E.M.T., 1 Hole Steel Strap	EA	100
41135	3/4" E.M.T., 1 Hole Steel Strap	EA	100
41136	1" E.M.T., 1 Hole Steel Strap	EA	50
41137	1 1/4" E.M.T., 1 Hole Steel Strap	EA	25
41138	1 1/2" E.M.T., 1 Hole Steel Strap	EA	25
41139	2" E.M.T., 1 Hole Steel Strap	EA	10
41140	1/2" E.M.T., 2 Hole Steel Strap	EA	100
41141	3/4" E.M.T., 2 Hole Steel Strap	EA	50
41142	1" E.M.T., 2 Hole Steel Strap	EA	50
41143	1 1/4" E.M.T., 2 Hole Steel Strap	EA	25
41144	1 1/2" E.M.T., 2 Hole Steel Strap	EA	20
41145	2" E.M.T., 2 Hole Steel Strap	EA	50



**CONDUIT HANGERS**

- Durable galvanized steel.

Item No.	Specifications	U/M	Std. Pkg.
41146	Size 0, FITS 3/8" - 1/2" HW, 1/2" TW	EA	50
41147	Size 1, FITS 3/4" HW, 3/4" TW	EA	50
41148	Size 2, FITS 1" HW, 1" TW	EA	50
41149	Size 2-1/2, FITS 2-1/2" HW, 1-1/4" TW	EA	50
41150	Size 3, FITS 1-1/4" HW, 1-1/2" TW	EA	50
41151	Size 4, FITS 1-1/2" HW	EA	50
41152	Size 5, FITS 2" HW, 2" TW	EA	25
41153	Size 6, FITS 2-1/2" HW	EA	25



41154



41155



41156

CABLE NAILS

- Great quality.

Item No.	Specifications	U/M	Std. Pkg.
41154	14/2, 12/2, RX OR BX 1/2" Wire, 250/PK	PK	1
41155	14, 12, OR 10 RX OR UF 3/4" Flat, 250/PK	PK	1
41156	1/2" Romex Staples, 250/PK	PK	1

**MISCELLANEOUS****TELESCOPING SPOUT OILER**

- Finest all-purpose oiler.
- Telescoping spout reaches everywhere.
- Perfect all-purpose lubricant for general repair and industrial use.
- 4 OZ. lubricant can also anti rust and antioxidant.

Item No.	Specifications	U/M	Std. Pkg.
42505G	Spout Oiler-Generic Pack, 4 Oz.	EA	12

**ADJUSTABLE FIN COMB**

- Straightens condenser and evaporator fins.
- Cleans accumulated scum and dust.
- Fits most fin sizes and styles.
- Comfortable blue rubber handle.

Item No.	Specifications	U/M	Std. Pkg.
42531	Adjustable Fin Comb	EA	12

**GARDEN HOSE SPRAY NOZZLE**

- Adjustable 1/2" metal spray gun.
- Easy operation.

Item No.	Specifications	U/M	Std. Pkg.
42542	Pistol Grip Spray Nozzle	EA	12

**ABRASIVE CLOTH**

- Water resistant sanding.
- 120 grit aluminum oxide coating.
- Excellent for cleaning, polishing, and deburring metal surfaces.

Item No.	Specifications	U/M	Std. Pkg.
42551	1-1/2" x 5y Abrasive Cloth	RL	24
42552	1-1/2" x 10 Yard 120 Grit Abrasive Cloth	RL	24
42553	1-1/2" x 25 Yard 120 Grit Abrasive Cloth	RL	12

ABRASIVE CLOTH

- Open mesh cloth, 180 grit.
- Ideal for working on plastic/metal tubing and pipe.
- Resist moisture.

Item No.	Specifications	U/M	Std. Pkg.
42554	1 1/2" x 5yd Open Mesh Abrasive Cloth	RL	24
42560	1 1/2" x 10yd Open Mesh Abrasive Cloth	RL	24
42561	1 1/2" x 25yd Open Mesh Abrasive Cloth	RL	12

**ABRASIVE PAD**

- Easily removes flashing or burrs.
- Waterproof.
- Pad size: 4" x 6" x 1/4".
- 10 pads/bag.

Item No.	Specifications	U/M	Std. Pkg.
42555	General Purpose Abrasive Pad	BG	1

**SPRAY PAINTS**

- Widely used in metal, wood, glass, leather goods, ceramics, ABS plastic and other material objects of the spraying or mending.
- High coverage, good adhesion, well hardness & flexibility, impact enduring.

Item No.	Specifications	U/M	Std. Pkg.
42500	Spray Paint Flat Cold Zinc Galvanize 10 Oz	EA	12
42501	Spray Paint Flat Black 10 Oz	EA	12
42502	Spray Paint Flat White 10 Oz	EA	12
42503	Spray Paint Gloss Black 10 Oz	EA	12
42504	Spray Paint Gloss White 10 Oz	EA	12

**LED LIGHTS**

- Magnetic.
- Long lasting, small size and high brightness.
- Not included batteries: 3 AAA.

Item No.	Specifications	U/M	Std. Pkg.
42532	7 Leds Pocket Light	EA	24



- Magnetic.
- 360° hook.
- Long lasting.
- Not included batteries: 4 AA.

Item No.	Specifications	U/M	Std. Pkg.
42533	25 Leds Utility Light	EA	6

**ROUGH SERVICE LIGHT BULBS**

- Frosted bulbs.
- Soft white to reduce glare.
- Well worth replacing your current incandescent bulbs.

Item No.	Specifications	U/M	Std. Pkg.
42534	Bulbs Rough Service 75W	EA	10
42535	Bulbs Rough Service 100W	EA	10



**GALVANIZED HANGING WIRE**

- Constructed of strong, rigid galvanized steel for added strength and stability.
- Excellent flexibility for easy handling and use.
- Galvanized steel wire is tightly wrapped over a plastic shaft.

Item No.	Specifications	U/M	Std. Pkg.
42538	Galvanized Hanging Wire 2Lb	EA	24
42539	Galvanized Hanging Wire 5Lb	EA	12

**RUBBER TIE DOWN STRAPS**

- Made from EPDM rubber.
- Galvanized S-hooks at each end.
- Sunlight & temperature resistant.

Item No.	Specifications	U/M	Std. Pkg.
42545	10" Rubber Tie Down Strap	EA	100
42546	15" Rubber Tie Down Strap	EA	100
42547	21" Rubber Tie Down Strap	EA	25
42548	31" Rubber Tie Down Strap	EA	25
42549	41" Rubber Tie Down Strap	EA	100
80121	9" Rubber Tie Down Strap 100 Per Carton	EA	100



42556

80101

SPRAYERS

- Multiuse for cleaning, planting, cooking, grooming, and much more.
- Adjustable leak-proof nozzle for mist or stream spraying.

Item No.	Specifications	U/M	Std. Pkg.
42556	Pint Size Sprayer	EA	12
42557	Quart Size Sprayer	EA	12

- For indoor and outdoor use.
- Check the fluid level visible through the translucent bottle.
- This sprayer is powered by a hand pump for easy and quick pressurization.

Item No.	Specifications	U/M	Std. Pkg.
80101	2 Quart Compression Hand Pump Sprayer	EA	6


 **MADE IN USA**
GOJO® ORANGE HAND CLEANER

- Petroleum-free citrus formula.
- Quick-acting lotion formula for quick cleaning.
- Appealing orange-citrus scent.

Item No.	Specifications	U/M	Std. Pkg.
80141	14 Oz Orange Bottle Cleaner	EA	12
80142	14 Oz Orange Bottle Cleaner W/Pumice	EA	12
80143	1/2 Gal Pump Bottle Cleaner W/Pumice	EA	4
80144	1/2 Gal Pump Bottle Cleaner	EA	4


 **MADE IN USA**
GOJO® ORIGINAL HAND CLEANER

- Conditions & protects hard-working hands.
- Cleans without harsh solvents.
- Contains soothing emollients.

Item No.	Specifications	U/M	Std. Pkg.
80145	14 Oz Plastic Can Original Cleaner	EA	12
80146	4.5Lb Plastic Can Original Cleaner	EA	6

HYGIENIC-GEL INSTANT HAND SANITIZER

- Quickly kills the microorganisms on hands. The gentle feel will not irritate or cause dry skin.
- Kills up to 99.99% of common bacteria without water.
- Keeping your hands clean is very important to prevent the spread of bacteria.
- It can be used in any place, very suitable for home, office and car.
- Pump head design, easy to use.

Item No.	Specifications	U/M	Std. Pkg.
80147	Hygienic-Gel Instant Hand Sanitizer, 500 ML	EA	30
80148	Zep Hand Sanitizer, 500 ML	EA	12
80149	Hand Sanitizer, Generic Pack 1 Gal	EA	2

**GERMIDAL CLEANER & DEODORANT**

- Powerful detergent system quickly cuts through grease and heavy soil to allow for easy wiping.
- Disinfectant multipurpose germicidal cleans, deodorizes and disinfects in one labor saving step.
- Controls mold and mildew growth.
- Hard-working multi surface cleaner concentrate that is tough on dirt.

Item No.	Specifications	U/M	Std. Pkg.
80160	Quat-Based, Germicidal Cleaner & Deodorant, 1 Gal	EA	4

**INDUSTRIAL TOWELS****INDUSTRIAL MULTI PURPOSE TOWELS**

- Strong and absorbent, super strong even when wet.
- Durable and strong for heavy-duty wiping tasks.
- Easily absorbs liquids, oils, and grease.
- Designed for industrial wiping tasks.

Item No.	Specifications	U/M	Std. Pkg.
80501	Tough Job Multi Purpose Shop Towel, 500/Bx	RL	1

**TOUGH OIL WIPER**

- Low lint.
- Made of durable, textured polypropylene.
- Very absorbent, which makes cleaning and prepping easy.

Item No.	Specifications	U/M	Std. Pkg.
80506	Tough Oil Wiper Comparable K-Tex, 150/Box	BX	1

**ABSORBENT WIPERS**

- Durable, strong and absorbent.
- Fast absorbing material.
- Dispense through a convenient, easy-to-handle box.

Item No.	Specifications	U/M	Std. Pkg.
80516	Absorbent Wiper X60, 150/Bx	BX	1
80517	Absorbent Wiper X70, 150/Bx	BX	1
80518	Absorbent Wiper X80, 150/Bx	BX	1

**SHOP TOWELS**

- Hemmed on all four sides for added strength and durability.
- Frequently used for wiping spills, grease, oil, tools, grime and fluids.
- 25 per package.

Item No.	Specifications	U/M	Std. Pkg.
41401	Red Rags 14" x 14" Hemmed, 25/PK	PK	20
41402	White Terry Towel 14" x 17" Hemmed, 25/PK	PK	20



41401

41402



MADE IN USA

WATERLESS WIPES - GOJO® FAST WIPES®

- Use for fast cleanups of grease, grime and oil.
- Orange citrus cleaning formula.
- Appealing orange-citrus scent.

Item No.	Specifications	U/M	Std. Pkg.
80521	Waterless Hand Wipes, 60/Bag	PK	6
80522	Waterless Hand Wipes, 130/Bucket	BKT	500
80523	Waterless Hand Wipes, 225/Bucket	BKT	4

**WATERLESS WIPES**

- Strong and absorbent.
- Use for fast cleanups of grease, grime and oil.
- Active cleansing ingredients.

Item No.	Specifications	U/M	Std. Pkg.
80525	Waterless Hand Wipes, 72/Bucket	BKT	500

BATTERIES**ROYOVAC® INDUSTRIAL MAXIMUM BATTERIES**

- Shrink packed.



Item No.	Specifications	U/M	Std. Pkg.
81001	Alkaline AA Battery, 8/Shrink PK	PK	12
81002	Alkaline AAA Battery, 8/Shrink PK	PK	12
81003	Alkaline Compression Battery, 6/Shrink PK	PK	12
81004	Alkaline D Battery, 6/Shrink PK	PK	12
80131	9 V Industrial Alkaline, 6/Shrink PK	PK	1

ROYOVAC® INDUSTRIAL MAXIMUM BATTERIES, CONTRACTOR PACKS

- Convenient re-closable packs.



Item No.	Specifications	U/M	Std. Pkg.
81020	Alkaline 9V Battery, 12/Box PK	PK	12
81021	Alkaline AA Battery, 24/Box PK	PK	12
81022	Alkaline AAA Battery, 18/Box PK	PK	12
81023	Alkaline Compression Battery, 12/Box PK	PK	8
81024	Alkaline D Battery, 12/Box PK	PK	8

**ROYOVAC® LANTERN BATTERIES**

- Available in general purpose, heavy duty, and alkaline maximum.

Item No.	Specifications	U/M	Std. Pkg.
81025	Heavy Duty 6V Lantern Battery Spring Terminal	EA	4

BRUSHES

COPPER FITTING BRUSHES

- Bore brush offers easy access into narrow holes and confined areas.
- Great for cleaning copper plumbing joints prior to soldering, manual turning of brush in tubing cleans tube.
- Industrial wire brushes are suitable for cleaning steel parts, machinery, the unfinished metal parts, paint stains, corrosion without damaging surfaces or fine features.
- Black molded plastic handle makes this tool easy to find in your toolbox.
- Lightweight and durable. Hand-fitting poly grip.



Item No.	Specifications	U/M	Std. Pkg.
42523	3/8" OD - 1/4" ID Copper Fitting Brush	EA	12
42524	5/8" OD - 1/2" ID Copper Fitting Brush	EA	12
42525	3/4" OD - 5/8" ID Copper Fitting Brush	EA	12
42526	7/8" OD - 3/4" ID Copper Fitting Brush	EA	12
42527	1-3/8" OD - 1-1/4" ID Copper Fitting Brush	EA	12
42562	1/4" OD - 1/8" ID Copper Fitting Brush	EA	12
42563	1/2" OD - 3/8" ID Copper Fitting Brush	EA	12
42564	1" OD - 7/8" ID Copper Fitting Brush	EA	12
42565	1-1/8" OD - 1" ID Copper Fitting Brush	EA	12
42566	1-1/4" OD - 1-1/8" ID Copper Fitting Brush	EA	12
42567	1-1/2" OD - 1-3/8" ID Copper Fitting Brush	EA	12
42568	1-5/8" OD - 1-1/2" ID Copper Fitting Brush	EA	12
42569	1-7/8" OD - 1-5/8" ID Copper Fitting Brush	EA	12
42570	2" OD - 1-7/8" ID Copper Fitting Brush	EA	12
42571	2-1/8" OD - 2" ID Copper Fitting Brush	EA	12

CHIP BRUSHES

- 100% pure white bristle paint and chip.
- Brushes with smooth sanded wood handles and tin ferrules.
- Poly sleeve over bristles. Excellent for applying duct adhesive.
- Great throwaway brush for many projects around the home, business or for industrial use.
- Great utility brushes for use with most paints, stains, varnish, acrylic and gesso.
- Wooden handle, made of advanced solid wood, durable and easy to use with tin ferrules nailed to handle.



Item No.	Specifications	U/M	Std. Pkg.
42516	1 1/2" Chip Brush	EA	36
42517	2" Chip Brush	EA	24
42518	2 1/2" Chip Brush	EA	12
42519	3" Chip Brush	EA	12

ACID BRUSH

- Strong long lasting metal fluted ferrules handles are durable and comfortable to hold and reduce drips.

Item No.	Specifications	U/M	Std. Pkg.
42520	3/8" Acid Brush	EA	144



STOVE OR APPLIANCE BRUSH

- Stainless steel bristle brush.
- Strong and durable.

Item No.	Specifications	U/M	Std. Pkg.
42521	Stove or Appliance Brush	EA	6



**WHISK BRUSH**

- White plastic handle.
- Great for cleaning condenser fins and evaporators.

Item No.	Specifications	U/M	Std. Pkg.
42522	Condenser Fin Whisk Brush	EA	10

**SHOE HANDLE BRUSH**

- Comfortable wooden handle.
- Stainless steel bristle brush.

Item No.	Specifications	U/M	Std. Pkg.
42528	Shoe Handle Brush	EA	6

**DUCT CLEANING BRUSH**

- Reinforced high quality nylon bristle.
- Hard wearing and long lifespan.

Item No.	Specifications	U/M	Std. Pkg.
42529	Duct Cleaning Brush	EA	6

**RADIATOR CLEANING BRUSH**

- Contributes to improved radiator efficiency.
- Sturdy wood handle.
- Effective cleaning of even the hardest to reach places.

Item No.	Specifications	U/M	Std. Pkg.
42530	Radiator Cleaning Brush	EA	12

**FURNACE BRUSH**

- Sturdy and comfortable wood handle.
- Extra heavy fill.
- Effective cleaning of even the hardest to reach places.

Item No.	Specifications	U/M	Std. Pkg.
42558	42" Long 3" Dia. Furnace Brush	EA	12

**REFRIGERATOR COIL BRUSH**

- Removes lint to extend life of dryer.
- Use for narrow & hard to reach places.

Item No.	Specifications	U/M	Std. Pkg.
84501	28" Refrigerator Coil Brush	EA	12

**PARTS CLEANING BRUSH**

- With Polypropylene.
- Bristles removes dirt and grease from motors, machinery and metal parts.

Item No.	Specifications	U/M	Std. Pkg.
84500	Parts Cleaning Brush	EA	6

V-BELTS

A V-BELTS

Item No.	Specifications	U/M	Std. Pkg.
42801	A18 (4L200) Belt	EA	100
42802	A19 (4L210) Belt	EA	180
42803	A20 (4L220) Belt	EA	180
42804	A21 (4L230) Belt	EA	180
42805	A22 (4L240) Belt	EA	180
42806	A23 (4L250) Belt	EA	180
42807	A24 (4L260) Belt	EA	180
42808	A25 (4L270) Belt	EA	180
42809	A26 (4L280) Belt	EA	180
42810	A27 (4L290) Belt	EA	180
42811	A28 (4L300) Belt	EA	180
42812	A29 (4L310) Belt	EA	180

Item No.	Specifications	U/M	Std. Pkg.
42825	A42 (4L440) Belt	EA	100
42826	A43 (4L450) Belt	EA	150
42827	A44 (4L460) Belt	EA	150
42828	A45 (4L470) Belt	EA	100
42829	A46 (4L480) Belt	EA	150
42830	A47 (4L490) Belt	EA	100
42831	A48 (4L500) Belt	EA	150
42832	A49 (4L510) Belt	EA	150
42833	A50 (4L520) Belt	EA	150
42834	A51 (4L530) Belt	EA	100
42835	A52 (4L540) Belt	EA	100
42836	A53 (4L550) Belt	EA	100

Item No.	Specifications	U/M	Std. Pkg.
42813	A30 (4L320) Belt	EA	180
42814	A31 (4L330) Belt	EA	180
42815	A32 (4L340) Belt	EA	180
42816	A33 (4L350) Belt	EA	180
42817	A34 (4L360) Belt	EA	180
42818	A35 (4L370) Belt	EA	150
42819	A36 (4L380) Belt	EA	150
42820	A37 (4L390) Belt	EA	90
42821	A38 (4L400) Belt	EA	120
42822	A39 (4L410) Belt	EA	120
42823	A40 (4L420) Belt	EA	120
42824	A41 (4L430) Belt	EA	150

Item No.	Specifications	U/M	Std. Pkg.
42837	A54 (4L560) Belt	EA	100
42838	A55 (4L570) Belt	EA	100
42839	A56 (4L580) Belt	EA	100
42840	A57 (4L590) Belt	EA	100
42841	A58 (4L600) Belt	EA	100
42842	A59 (4L610) Belt	EA	75
42843	A60 (4L620) Belt	EA	100
42844	A61 (4L630) Belt	EA	75
42845	A62 (4L640) Belt	EA	50
42846	A63 (4L650) Belt	EA	1
42847	A64 (4L660) Belt	EA	50
42848	A65 (4L670) Belt	EA	1

- Durable rubber.
- Anti-static.
- Oil & heat resistant.



Item No.	Specifications	U/M	Std. Pkg.
42849	A66 (4L680) Belt	EA	1
42850	A67 (4L690) Belt	EA	75
42851	A68 (4L700) Belt	EA	75
42852	A69 (4L710) Belt	EA	1
42853	A70 (4L720) Belt	EA	1
42854	A71 (4L730) Belt	EA	160
42855	A72 (4L740) Belt	EA	160
42856	A73 (4L750) Belt	EA	1
42857	A74 (4L760) Belt	EA	1
42858	A75 (4L770) Belt	EA	1
42859	A76 (4L780) Belt	EA	75
42860	A77 (4L790) Belt	EA	100
42861	A78 (4L800) Belt	EA	1

B V-BELTS

Item No.	Specifications	U/M	Std. Pkg.
42901	B27 (5L300) Belt	EA	160
42902	B28 (5L310) Belt	EA	60
42903	B29 (5L320) Belt	EA	60
42904	B30 (5L330) Belt	EA	1
42905	B31 (5L340) Belt	EA	1
42906	B32 (5L350) Belt	EA	1
42907	B33 (5L360) Belt	EA	60
42908	B34 (5L370) Belt	EA	60
42909	B35 (5L380) Belt	EA	60
42910	B36 (5L390) Belt	EA	60

Item No.	Specifications	U/M	Std. Pkg.
42921	B47 (5L500) Belt	EA	40
42922	B48 (5L510) Belt	EA	120
42923	B49 (5L520) Belt	EA	60
42924	B50 (5L530) Belt	EA	50
42925	B51 (5L540) Belt	EA	50
42926	B52 (5L550) Belt	EA	50
42927	B53 (5L560) Belt	EA	50
42928	B54 (5L570) Belt	EA	60
42929	B55 (5L580) Belt	EA	50
42930	B56 (5L590) Belt	EA	50

Item No.	Specifications	U/M	Std. Pkg.
42911	B37 (5L400) Belt	EA	60
42912	B38 (5L410) Belt	EA	1
42913	B39 (5L420) Belt	EA	1
42914	B40 (5L430) Belt	EA	1
42915	B41 (5L440) Belt	EA	1
42916	B42 (5L450) Belt	EA	1
42917	B43 (5L460) Belt	EA	60
42918	B44 (5L470) Belt	EA	60
42919	B45 (5L480) Belt	EA	60
42920	B46 (5L490) Belt	EA	120

Item No.	Specifications	U/M	Std. Pkg.
42931	B57 (5L600) Belt	EA	40
42932	B58 (5L610) Belt	EA	50
42933	B59 (5L620) Belt	EA	50
42934	B60 (5L630) Belt	EA	50
42935	B61 (5L640) Belt	EA	50
42936	B62 (5L650) Belt	EA	50
42937	B63 (5L660) Belt	EA	40
42938	B64 (5L670) Belt	EA	50
42939	B65 (5L680) Belt	EA	60
42940	B66 (5L690) Belt	EA	50

- Durable rubber.
- Anti-static.
- Oil & heat resistant.



Item No.	Specifications	U/M	Std. Pkg.
42941	B67 (5L700) Belt	EA	30
42942	B68 (5L710) Belt	EA	1
42943	B69 (5L720) Belt	EA	40
42944	B70 (5L730) Belt	EA	1
42945	B71 (5L740) Belt	EA	30
42946	B72 (5L750) Belt	EA	30
42947	B73 (5L760) Belt	EA	1
42948	B74 (5L770) Belt	EA	30
42949	B75 (5L780) Belt	EA	30
42950	B76 (5L790) Belt	EA	20
42951	B77 (5L800) Belt	EA	1



MAINTAINCE & SERVICE

REFRIGERANT RECOVERY TANKS

- Powder coated cylinder for high gloss, durable finish; 30 Pounds.
- Y-valve for liquid/vapor.
- 3/4" NPT opening accepts 80 percent fill float switch shut-off device.
- UL Listed. Collar design for ease of handling.
- Reusable and conforms to DOT-4BA-400 specifications and ARI guidelines.
- High quality-each tank is constructed from high grade welded steel and powder coated for long lasting durability.

Item No.	Specifications	U/M	Std. Pkg.
42543	30 Lb Refrigerant Recovery Tank	EA	1
42544	50 Lb Refrigerant Recovery Tank	EA	1



CONDENSATE DRAIN CLEANING TOOL

- Lightweight portable tool with a flexible hose.
- Designed to clear condensate drains instantly with a press of a trigger.
- Flexible hose assembly maneuvers through cabinets, coils and hard to reach drains.
- Easy to use. Reduces labor costs and time on service calls.
- Using carbon dioxide, it is completely safe to use in the environment.

Item No.	Specifications	U/M	Std. Pkg.
86001	Condensate Drain Cleaning Blaster	EA	1
86002	Drain Blaster Cartridges, 6/PK	PK	1
86003	Drain Blaster Cartridges, 12/PK	PK	1
86004	Drain Blaster Hose Assembly	EA	1



86010



86011



86012



86020

VACUUM PUMP & OIL

- Good quality vacuum pump is an integral tool for complete A/C service.
- Durable and time tested.
- Suitable for refrigeration and air-conditioning systems, medical appliances, printing machineries, vacuum packing, gas analysis and hot-forming plastics.

Item No.	Specifications	U/M	Std. Pkg.
86010	Two Stage Vacuum Pump, 5 Cfm	EA	1
86011	Two Stage Vacuum Pump, 6 Cfm	EA	1
86012	Two Stage Vacuum Pump, 7.5 Cfm	EA	1
86020	Vaccum Pump Oil, Quart Bottle	EA	12



86021

86022

86024

86025

A/C FLUSHING SYSTEM

- Specific fluid for the inner flushing of air conditioning and refrigeration systems.
- Effectively removes debris and sludge from A/C components.
- Non-Corrosive.

Item No.	Specifications	U/M	Std. Pkg.
86021	A/C Flush Kit, Refill	SET	1
86022	A/C Quick Flush Can Only, 17 Oz	EA	1
86024	A/C Flush Kit, Includes Flush Can, Hose, Flush Gun	SET	1
86025	Flush Solvent, 32 Oz	EA	1

MISCELLANEOUS & HARDWARE

WD-40

- Lubricates to allow smooth operation.
- Penetrates to loosen rusted or sticky parts. Prevent moisture and other corrosive elements, prevent rust.
- Drive away moisture and quickly dry the electrical system to eliminate short circuits caused by moisture.
- Never lose the straw again with "Smart Straw".
- Remove grease, dirt, sticker residue and other sticky substances on multiple surfaces.

Item No.	Specifications	U/M	Std. Pkg.
86040	8 Oz Spray Can Wd-40 Smart Straw	EA	1
86041	11 Oz Spray Can Wd-40 Smart Straw	EA	1
86042	16 Oz Spray Can Wd-40	EA	1
86043	16 Gal Can Wd-40	EA	1

**BODY PROTECTION****SHOE COVERS**

- One size fit most.
- Disposable.
- Anti-skid.
- Resist the dirt, mud, scuffs & scratches.

Item No.	Specifications	U/M	Std. Pkg.
41701	Shoe Covers XL 50 Pr/Bag	BX	1
41702	Shoe Covers XL (5 Pr/Bag)	BG	1
41703	XXL Shoe Cover 50 Pr/Bag	BG	1

**PREMIUM DARK BLUE SHOE COVERS**

- Dark blue, disposable.
- Box packaged.
- Anti-skid.
- Resist the dirt, mud, scuffs & scratches.

Item No.	Specifications	U/M	Std. Pkg.
41704	Premium Dark Blue Shoe Covers, 50 Pr/Box	BX	1

**WATER PROOF SHOE COVERS**

- Dark blue, disposable.
- Box packaged.
- Anti-skid.
- Resist the dirt, mud, scuffs & scratches.

Item No.	Specifications	U/M	Std. Pkg.
41705	Water Proof Shoe Covers 40/Box	BX	1

**ECONOMY DUST MASK**

- Disposable.
- Lightweight and easy to breathe.
- Adjustable metal nose bridge bar to fit the face more closely.
- The comfortable elastic headband brings more comfort.

Item No.	Specifications	U/M	Std. Pkg.
41706	Economy Dust Mask 50/Box	BX	1



**KN95 PARTICULATE RESPIRATOR**

- Using soft materials, adjustable nose bridge and elastic earhooks, with sufficient elasticity to form a good sealing effect.
- Hygroscopic and breathable, easy to wear and take off.
- Windproof, dustproof, and odor-resistant, it can provide a comfortable and stable face mask for the wearer.

Item No.	Specifications	U/M	Std. Pkg.
41709	KN95 Particulate Respirator, 20/PK	PK	1

**REGULAR MEDICAL GRADE FACE MASK**

- The filter membrane is made of safety standard materials. The three-layer disposable masks, can be used by both children and adults.
- Maintains health and safety when working or going out.
- Comfortable and super soft elastic ear hooks eliminate pressure on ears.
- The inner layer is made of non-pigmented soft facial tissue which is gentle on the skin.

Item No.	Specifications	U/M	Std. Pkg.
41711	Regular Medical Grade Face Mask, 50/PK	PK	1



41707



41712

N95 PARTICULATE RESPIRATOR

- The use of soft materials, adjustable nose bridge bar and elastic earhooks provide a comfortable and stable face mask for the wearer.
- Hygroscopic and breathable, easy to put on and take off. Windproof, dustproof and deodorant.
- Filters out air particles to keep you safe from pollutants and allergens.

Item No.	Specifications	U/M	Std. Pkg.
41707	N95 Particulate Respirator, Domed Version 20/Pk	PK	1
41712	N95 Particulate Respirator, Foldable Version 20/Pk	PK	1

**DISPOSAL GLOVES**

- Made of powder-free nitrile.
- There are three sizes to choose from. The material is soft and has good comfort.
- Good protection against corrosion, water, oil and acid resistance.
- Helps protect hands from contact with rough surfaces, viruses, and help to protect certain chemicals.

Item No.	Specifications	U/M	Std. Pkg.
84001	Medium Nitrile Disposal Gloves, 5 Mil 100/PK	PK	1
84002	Large Nitrile Disposal Gloves, 5 Mil 100/PK	PK	1
84004	X-Large Nitrile Disposal Gloves, 5 Mil 100/PK	PK	1

**DISPOSAL GLOVES**

- Made of powder-free latex.
- Blue in color.
- Plumber grade.
- Disposable.
- 50 per packaged.

Item No.	Specifications	U/M	Std. Pkg.
84016	Wear-A-Day Latex Disposal Gloves, XL 15Mil, 50/PK	PK	1
84018	Wear-A-Day Latex Disposal Gloves, XX-Large, 50/PK	PK	1

NITRILE GLOVES

- Grips.
- Won't slip when wet.
- Durable.
- Resists solvent cement.
- Great protect your hands.

Item No.	Specifications	U/M	Std. Pkg.
84022	Nitrile Tough Work Gloves, Medium	PR	1
84024	Nitrile Tough Work Gloves, Large	PR	1
84026	Nitrile Tough Work Gloves, X-Large	PR	1

**WORK GLOVES**

- Split leather palm glove.
- Clute cut with 100% cotton fabric back.
- Generously sized for a good working fit.
- Great protect your hands.

Item No.	Specifications	U/M	Std. Pkg.
84032	Leather Work Glove W/Safty Cuff	PR	1

**DISPOSAL WORK CLOTH**

- Coverall disposal work with shoe covers.
- Light weight and breathable.
- White in color.
- Disposable.
- Tough & tear resistant.
- Economical.

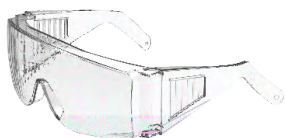
Item No.	Specifications	U/M	Std. Pkg.
84070	Coverall Disposal Work Cloth W/Shoe Covers, Large	EA	1
84071	Coverall Disposal Work Cloth W/Shoe Covers, X-Large	EA	1
84072	Coverall Disposal Work Cloth W/Shoe Covers, XX-Large	EA	1

**PROTECTIVE SAFETY GLASSES**

- Polycarbonate lens.
- The hard coated scratch-resistant polycarbonate lenses not only protect your eyes from impact and debris, they also can offers 99% UV protection.
- The glasses feature a sporty, lightweight, flexible design that will improve your working experience. wraparound design fits snugly for total optical protection, nose pads and non-slip temples give you a perfect fit without slipping.
- Suitable for industrial fields, with a comfortable wearing experience, can be worn for a long time, is the best choice for work.
- Full coverage UV and anti-scratch coatings are designed for all-round visibility, providing a high level of optimal eye protection.
- Safety glasses are certified to meet the ANSI Z87.1 standard for eye and safety protection, excellent quality.

Item No.	Specifications	U/M	Std. Pkg.
84060	Clear Safety Glasses	PR	12
84061	Smoke Safety Glasses	PR	12
84062	Amber Safety Glasses	PR	12
84063	Gold Mirror Safety Glasses	PR	12
84064	Anti-Fog Clear Safety Glasses	PR	12





WRAP AROUND SAFETY GLASSES

- Meets the visual requirements of ANSI Z87.1.
- One-piece polycarbonate lenses fit most prescription glasses.
- Lightweight design with wrap-around clear lenses for standard lighting conditions or for everyday use.
- Perfectly seals around the eyes for protection & comfortable wearing experience.
- With high impact standards, forehead guards and ventilated side covers increase comfort, and flexible temples minimize pressure on the back of the head.

Item No.	Specifications	U/M	Std. Pkg.
84069	Wrap Around Clear Safety Glasses	PR	12

TAPES

PTFE TAPES - WHITE LOW DENSITY

- Widely used by plumbers for general water plumbing applications.
- Provides tight assembly and easy disassembly.
- Economical to use.



Item No.	Specifications	U/M	Std. Pkg.
42507	1/2" x 520" White Low Density Ptfе Tape	EA	100
42508	1/2" x 260" Low Density White Ptfе Tape	EA	100
42509	3/4" x 520" White Low Density Ptfе Tape	EA	70
42580	1/2" x 40" Low Density White Ptfе Tape	EA	100
42581	1/2" x 100" Low Density White Ptfе Tape	EA	100
42582	1/2" x 300" Low Density White Ptfе Tape	EA	100
42583	1/2" x 1296" Low Density White Ptfе Tape	EA	100
42584	3/4" x 260" Low Density White Ptfе Tape	EA	70
42585	3/4" x 1296" Low Density White Ptfе Tape	EA	70
42586	1" x 260" Low Density White Ptfе Tape	EA	50
42587	1" x 520" Low Density White Ptfе Tape	EA	50
42588	1" x 1296" Low Density White Ptfе Tape	EA	50

PTFE TAPES - WHITE HIGH DENSITY

- High density: 0.7g/cm³.
- Provides tight assembly and easy disassembly.
- Flame resistant.
- Economical to use.



Item No.	Specifications	U/M	Std. Pkg.
42590	1/2" x 260" High Density White Ptfе Tape	EA	1
42591	1/2" x 520" High Density White Ptfе Tape	EA	1
42592	3/4" x 520" High Density White Ptfе Tape	EA	1
42593	1" x 520" High Density White Ptfе Tape	EA	1

PTFE TAPES - YELLOW GAS LINE

- High density: 1.2g/cm³.
- Provides tight assembly and easy disassembly.
- For oil and gas industry.
- Chemically inert and withstands solvents.



Item No.	Specifications	U/M	Std. Pkg.
42510	1/2" x 260" Yellow High Density Gas Line Ptfе Tape (1.2G/Cm3)	EA	12
42595	1/2" x 40" High Density Yellow Gas Line Ptfе Tape (1.2G/Cm3)	EA	1
42596	3/4" x 520" High Density Yellow Gas Line Ptfе Tape (1.2G/Cm3)	EA	1

PTFE TAPES - PINK WATER LINE

- High density: 0.7g/cm³.
- Provides tight assembly and easy disassembly.
- Flame resistant.
- Economical to use.

Item No.	Specifications	U/M	Std. Pkg.
42601	1/2" x 260" Pink Water Line Ptfе Tape (0.7G/Cm3)	EA	1
42602	1/2" x 520" Pink Water Line Ptfе Tape (0.7G/Cm3)	EA	1
42603	3/4" x 520" Pink Water Line Ptfе Tape (0.7G/Cm3)	EA	1

**PTFE TAPES - GRAY STAINLESS STEEL LINE**

- High density: 0.7g/cm³.
- Provides tight assembly and easy disassembly.
- Flame resistant.
- Economical to use.

Item No.	Specifications	U/M	Std. Pkg.
42605	1/2" x 520" Gray Stainless Steel Line Ptfе Tape (0.7G/Cm3)	EA	1
42606	3/4" x 520" Gray Stainless Steel Line Ptfе Tape (0.7G/Cm3)	EA	1

**PTFE TAPES - GREEN OXYGEN LINE**

- High density: 0.7g/cm³.
- Provides tight assembly and easy disassembly.
- Flame resistant.
- Economical to use.

Item No.	Specifications	U/M	Std. Pkg.
42610	1/2" x 520" Green Oxygen Line Ptfе Tape (0.7G/Cm3)	EA	1
42611	3/4" x 520" Green Oxygen Line Ptfе Tape (0.7G/Cm3)	EA	1

**PTFE TAPES - GRAY GHOST**

- High density: 0.7g/cm³.
- Provides tight assembly and easy disassembly.
- Flame resistant.
- Economical to use.

Item No.	Specifications	U/M	Std. Pkg.
42615	1/2" x 260" Gray Ghost Ptfе Tape (0.7G/Cm3)	EA	1
42616	1/2" x 520" Gray Ghost Ptfе Tape (0.7G/Cm3)	EA	1
42617	1/2" x 1296" Gray Ghost Ptfе Tape (0.7G/Cm3)	EA	1

**FOAM TAPE**

- Easy to install, the weather stripping is high density, high resilience, flexible enough, can be cut and molded easily, will bend and conform to any shape.
- Great chemical resistance. Strong adhesive backing, waterproof and non-degumming, stick firmly, but easy to remove and no residue, adhesive to various materials.
- Low compression set. Has excellent anti-deformation properties.
- Best conformability, cushioning and vibration damping. Shock absorption, sound insulation and heat insulation, non-slip insulation, reduce external noise.
- Widely used in various door and window insulation, furniture, electrical cabinets, automobiles, speakers, toys, handicrafts, sports equipment, etc.

Item No.	Specifications	U/M	Std. Pkg.
42511	1/8" x 2" x 30' Foam Tape	EA	12

**ELECTRICAL TAPE**

- UL Listed.
- Matte finish, low lead electric tape.
- Used for joining and splicing wires and cables for electrical insulation.

Item No.	Specifications	U/M	Std. Pkg.
42512	3/4" x 60' Electrical Tape 7Mil W/Ind Label	EA	10



**BLACK DUCT TAPE**

- Hot melt based.
- Good balance of strength and conformability.
- Good adhesion and tensile strength.

Item No.	Specifications	U/M	Std. Pkg.
42513	2" x 60yds Black Duct Tape	EA	24

**FOIL TAPES**

- Industrial-grade aluminum reflective foil tape.
- Excellent flame retardant and vapor barrier.

Item No.	Specifications	U/M	Std. Pkg.
42514	2" x 50yds Foil Tape	EA	24
42559	2-1/2" x 50yds Foil Tape	EA	20
42515	3" x 50yds Foil Tape	EA	16

**FOIL SCRIM KRAFT TAPES**

- Sealing insulation and repairing in cooler/ refrigeration applications.
- High strength and tear resistant UV, moisture and mold resistant.

Item No.	Specifications	U/M	Std. Pkg.
87002	2" x 50 Yard Foil Scrim Kraft Tape	RL	24
87003	3" x 50 Yard Foil Scrim Kraft Tape	RL	16

**SILVER METALIZED DUCT TAPE**

- Made in a beautiful silver metal finish.
- Ensure the heating and cooling effects of the material, it is very suitable for maintenance tasks and insulation tape, provides a durable bond at low and high temperatures.
- Can be cut into various specifications according to customer requirements, which is not easy to crack and damage after repeated use or multiple bending.
- Using high-quality pressure-sensitive adhesive, strong adhesion, anti-aging and other effects, good waterproof performance, UV degradation, against flame, insulation, moisture, corrosion.
- Used for shielding, insulating, repairing, seaming and sealing, mainly used for HVAC, chilly air ducts, refrigerators, air conditioning, hoods, cars, etc.

Item No.	Specifications	U/M	Std. Pkg.
87033	2" x 60yds Silver Metalized Duct Tape, 14Mil UL-181Bfx	RL	24
87035	3" x 60yds Silver Metalized Duct Tape, 14Mil UL-181Bfx	RL	16


MADE IN USA
SHURTAPE® UL 181A ALUMINUM FOIL TAPES

- UL 181A-P/B-FX listed.
- Excellent adhesion & Superior stability.
- Printed aluminum foil tape with.
- Easy peel paper liner.

Item No.	Specifications	U/M	Std. Pkg.
87005	2 1/2" x 60 Yard Aluminum Foil Tape UL-181	RL	16
87006	3" x 60 Yard Aluminum Foil Tape, UL-181	RL	16

**DUCT TAPES**

- Perfect for packaging, sealing, bundling, binding, and general maintenance.
- Easy to tear and waterproof.
- It has good adhesion to almost any surface.
- Easy to remove and no residue.

Item No.	Specifications	U/M	Std. Pkg.
87030	2" x 120yds Black Duct Tape, 14Mil UL-181Bfx	EA	1

FASTNERS

SHEET METAL PANNING NAILS

- Use in construction, daily use and other industry fields.
- 13GA 19/64" Head size.

Item No.	Specifications	U/M	Std. Pkg.
41101	Panning Nail, 13Ga 19/64" Head Size, 5LB	PK	5
41102	Panning Nail, 13Ga 19/64" Head Size, 50LB	PK	50



CONCRETE ANCHORING SYSTEM

- Suitable for concrete, brick applications.
- Suitable for some preservative-treated wood applications.
- One drill bit included in each box.

Item No.	Specifications	U/M	Std. Pkg.
41103	3/16" x 1 1/4" Hex Washer Head Concrete Screw, 100/PK	PK	1
41104	1/4" x 1 1/4" Hex Washer Head Concrete Screw, 100/PK	PK	1
41105	1/4" x 1 3/4" Hex Washer Head Concrete Screw, 100/PK	PK	1



PLASTIC ANCHOR KITS

- Each kit contains conical plastic wall anchors, tapping screws, and a high-speed masonry drill bit.
- Can be used in all types of base materials including concrete and gypsum drywall.

Item No.	Specifications	U/M	Std. Pkg.
41108	5/16 x 1-1/2", #14x1-1/2" Phillips HW Head (50/Kt)	PK	10
41109	3/16 x 7/8", #8x1" Phillips HW Head (100/Kt)	PK	10
41110	1/4 x 1", #10x1" Phillips HW Head (100/Kt)	PK	10



HW= Hex Washer Head

SELF-PIERCING SCREWS

- Made of zinc plated carbon steel.
- Screws with HW head.
- Available in taper screws & drill screws.
- Available in bag packaged & tub packaged.

Item No.	Specifications	U/M	Std. Pkg.
83101	#6 x 3/8" Taper Screws, 100/Bg	BG	1
83102	#6 x 3/8" Taper Screws, 1000/Tub	TUB	1
83103	#7 x 1/2" Taper Screws, 100/Bg	BG	1
83104	#7 x 1/2" Taper Screws, 1000/Tub	TUB	1
83105	#8 x 1/2" Taper Screws, 100/Bg	BG	1
83106	#8 x 1/2" Taper Screws, 1000/Tub	TUB	1
83107	#8 x 3/4" Taper Screws, 500/Tub	TUB	1
83109	#8 x 1" Taper Screws, 500/Tub	TUB	1
83111	#8 x 1 1/2" Taper Screws, 250/Tub	TUB	1
83113	#8 x 2" Taper Screws, 250/Tub	TUB	1
83114	#8 x 1 1/2" Taper Screws, 100/Bag	BAG	1
83122	#6 x 1/2" Drill Screws, 1000/Tub	TUB	1
83126	#8 x 1/2" Drill Screws, 1000/Tub	TUB	1
83127	#8 x 3/4" Drill Screws, 500/Tub	TUB	1
83129	#8 x 1" Drill Screws, 500/Tub	TUB	1



Taper Screws



Drill Screws



NATURAL NYLON CABLE TIES

- UL Listed.
- Strong and durable.
- Acid resistance, burning resistance, good insulation, not aging, bear strong.

Item No.	Specifications	U/M	Std. Pkg.
41201	4" Nylon Cable Ties, Natural, 100/PK	PK	1
41203	5" Nylon Cable Ties, Natural, 100/PK	PK	1
41205	7" Nylon Cable Ties, Natural, 100/PK	PK	1
41207	11" Nylon Cable Ties, Natural, 100/PK	PK	1
41209	14" Nylon Cable Ties, Natural, 100/PK	PK	1
41211	Assorted 4", 7", 11" Nylon Cable Ties, Natural, 30/PK	PK	1



BLACK NYLON CABLE TIES

- UL Listed.
- Strong and durable.
- Acid resistance, burning resistance, good insulation, not aging, bear strong.

Item No.	Specifications	U/M	Std. Pkg.
41213	6" Nylon Cable Ties, Black, 100/PK	PK	1
41215	7" Nylon Cable Ties, Black, 100/PK	PK	1
41217	11" Nylon Cable Ties, Black, 100/PK	PK	1
41219	11" Nylon Cable Ties-Releasable, Black, 100/PK	PK	1
41221	14" Nylon Cable Ties, Black, 100/PK	PK	1



NATURAL NYLON MOUNTING HOLE CABLE TIES

- Nylon 66 certificated by UL.
- Strong and durable.
- After bundling wires, fix them on plate with screw.

Item No.	Specifications	U/M	Std. Pkg.
41225	5" Nylon Mounting Hole Cable Ties, Natural, 100/PK	PK	1
41227	7" Nylon Mounting Hole Cable Ties, Natural, 100/PK	PK	1
41229	11" Nylon Mounting Hole Cable Ties, Natural, 100/PK	PK	1
41231	14" Nylon Mounting Hole Cable Ties, Natural, 100/PK	PK	1



BLACK NYLON MOUNTING HOLE CABLE TIES

- Nylon 66 certificated by UL.
- Strong and durable.
- After bundling wires, fix them on plate with screw.

Item No.	Specifications	U/M	Std. Pkg.
41235	5" Nylon Mounting Hole Cable Ties, Black, 100/PK	PK	1
41237	7" Nylon Mounting Hole Cable Ties, Black, 100/PK	PK	1
41239	11" Nylon Mounting Hole Cable Ties, Black, 100/PK	PK	1
41241	14" Nylon Mounting Hole Cable Ties, Black, 100/PK	PK	1



CABLE TIE ASSORTMENT PACK

- Nylon 66 certificated by UL.
- Strong and durable.
- Acid resistance, burning resistance, good insulation, not aging, bear strong.

Item No.	Specifications	U/M	Std. Pkg.
41246	Natural Cable Tie Assortment 7" & 11", 150/PK	PK	1
41247	Black Cable Tie Assortment 7" & 11", 150/PK	PK	1
41248	Natural Cable Tie Assortment 5", 8" & 11", 450/PK	PK	1
41249	Black Cable Tie Assortment 5", 8" & 11", 450/PK	PK	1

RIVETS AND TOOLS - RIVETS

- Made of high quality aluminum.
- Strong and corrosion resistant.
- Provides excellent rust resistance in salt water applications.
- 100 per packaged.

Item No.	Specifications	U/M	Std. Pkg.
83130	[RSA1/8IP] 1/8" Short Aluminum, 100/PK	PK	1
83131	[RMA1/8IP] 1/8" Medium Aluminum, 100/PK	PK	1
83132	[RLA1/8IP] 1/8" Long Aluminum, 100/PK	PK	1
83133	[RSA3/16IP] 3/16" Short Aluminum, 100/PK	PK	1
83134	[RMA3/16IP] 3/16" Medium Aluminum, 100/PK	PK	1
83135	[RLA3/16IP] 3/16" Long Aluminum, 100/PK	PK	1

**RIVETS AND TOOLS - PROFESSIONAL RIVET TOOL**

- Extended nose makes work easier in hard-to-reach places.
- Uses 4 rivet sizes: 3/32", 1/8", 5/32", and 3/16".
- Strong and durable.

Item No.	Specifications	U/M	Std. Pkg.
83150	[Rh200S] Professional Rivet Tool	PK	1

**PLATES AND STUD GUARDS****STUD GUARDS**

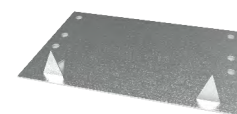
- Galvanized stud guard, 16GA.
- Resist corrosion.
- Durable and sturdy.

Item No.	Specifications	U/M	Std. Pkg.
83201	1 1/2" x 3" Galvanized Stud Guard, 16GA	EA	1
83202	1 1/2" x 5" Galvanized Stud Guard, 16GA	EA	1
83203	1 1/2" x 6" Galvanized Stud Guard, 16GA	EA	1
83204	1 1/2" x 18" Galvanized Stud Guard, 16GA, 6 Hole Pattern	EA	1

**BOCA STUD GUARD**

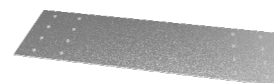
- 16GA.
- Durable and sturdy.

Item No.	Specifications	U/M	Std. Pkg.
83211	5" x 8" Boca Mending Plate, 16GA	EA	1

**FHA PLATES**

- FHA plate stud guard, 16GA.
- Durable and sturdy.
- Easy to use.

Item No.	Specifications	U/M	Std. Pkg.
83221	3" x 18" Fha Plate Stud Guard, 16GA	EA	1
83222	5" x 18" Fha Plate Stud Guard, 16GA	EA	1

**STUD GUARDS**

- Stud shoes reinforce studs notched in construction.
- They are not a total replacement of removed material.
- Installs over pipe up.
- Structures that comply with building codes.
- Make projects easier to build, while making them stronger and safer.

Item No.	Specifications	U/M	Std. Pkg.
83301	2" x 6" Stud Shoe, 16GA	EA	1





- Made from galvanized steel.
- Durable and reliable.
- Fully adjustable.
- Used to install bath tub to framing member.

Item No.	Specifications	U/M	Std. Pkg.
83302	1 1/2" x 5" Galvanized Tub Hanger, 12GA	EA	1

NOTES

[illegible]

FILTER DRIERS

LIQUID LINE DRIERS

- UL Listed.
- High filtering ability.
- Perfect protection for the system.
- Protect the system from presence of various solid pollutants.
- Solid core drier with 80% 3A molecular sieve with 20% activated alumina, suitable for systems operating at high condensation temperatures and requiring high drying capacity.

Item No.	Specifications	U/M	Std. Pkg.
12501	1/4" Flare Liquid Line Drier, 3 Cubic Inch	EA	1
12502	1/4" Sweat Liquid Line Drier, 3 Cubic Inch	EA	1
12503	1/4" Flare Liquid Line Drier, 5 Cubic Inch	EA	1
12504	1/4" Sweat Liquid Line Drier, 5 Cubic Inch	EA	1
12505	3/8" Sweat Liquid Line Drier, 5 Cubic Inch	EA	1
12506	1/4" Flare Liquid Line Drier, 8 Cubic Inch	EA	1
12507	1/4" Sweat Liquid Line Drier, 8 Cubic Inch	EA	1
12508	3/8" Sweat Liquid Line Drier, 8 Cubic Inch	EA	1
12509	1/2" Sweat Liquid Line Drier, 8 Cubic Inch	EA	1
12510	3/8" Flare Liquid Line Drier, 16 Cubic Inch	EA	1
12511	3/8" Sweat Liquid Line Drier, 16 Cubic Inch	EA	1
12512	1/2" Sweat Liquid Line Drier, 16 Cubic Inch	EA	1
12513	3/8" Flare Liquid Line Drier, 30 Cubic Inch	EA	1
12514	3/8" Sweat Liquid Line Drier, 30 Cubic Inch	EA	1
12515	1/2" Sweat Liquid Line Drier, 30 Cubic Inch	EA	1
12516	5/8" Flare Liquid Line Drier, 30 Cubic Inch	EA	1
12517	5/8" Sweat Liquid Line Drier, 30 Cubic Inch	EA	1



SUCTION LINE DRIERS

- The combination of drying and filtering has the ability to dissolve pollutants such as water and acid.
- Designed with two service ports at the inlet and outlet to facilitate the measurement of pressure drop through the filter.
- UL listed, maximum working pressure: 3.5Mpa / 500Psig.
- High strength small particle spherical desiccant sintered module, no vibration and friction during operation, reduce the wear of desiccant.
- Large outside diameter design can reduce to a minimum pressure drop.

Item No.	Specifications	U/M	Std. Pkg.
12520	5/8" Sweat Suction Line Drier, 13 Cubic Inch	EA	1
12521	3/4" Sweat Suction Line Drier, 13 Cubic Inch	EA	1
12522	7/8" Sweat Suction Line Drier, 27 Cubic Inch	EA	1
12523	1-1/8" Sweat Suction Line Drier, 27 Cubic Inch	EA	1
12524	1-3/8" Sweat Suction Line Drier, 54 Cubic Inch	EA	1
12525	3/4" Sweat Suction Line Drier, 30 Cubic Inch	EA	1
12526	7/8" Sweat Suction Line Drier, 30 Cubic Inch	EA	1
12528	5/8" Sweat Suction Line Drier, 30 Cubic Inch	EA	1
91001	3/4" Sweat Suction Line Drier, 8 Cubic Inch	EA	1
91002	7/8" Sweat Suction Line Drier, 8 Cubic Inch	EA	1



BI FLOW DRIERS

- UL listed, maximum pressure: 4.7Mpa / 680Psig.
- Flare connection.
- Possible flow and filtering in any direction due to internal check valve.
- Effectively removing acids moisture and solid contaminants.
- The combination of drying and filtering, an irreversible flow valve is installed at each end, which can intercept dirt in two-way operation.

Item No.	Specifications	U/M	Std. Pkg.
12541	3/8" Sweat Bi Flow Drier, 8 Cubic Inch	EA	1
12542	1/2" Sweat Bi Flow Drier, 8 Cubic Inch	EA	1
12543	3/8" Flare Bi Flow Drier, 16 Cubic Inch	EA	1
12544	3/8" Sweat Bi Flow Drier, 16 Cubic Inch	EA	1
12545	5/8" Sweat Bi Flow Drier, 16 Cubic Inch	EA	1
12546	3/8" Flare Bi Flow Drier, 8 Cubic Inch	EA	1
12547	1/2" Flare Bi Flow Drier, 8 Cubic Inch	EA	1
12548	1/2" Sweat Bi Flow Drier, 16 Cubic Inch	EA	1



COPPER TUBING

COPPER PANCAKE COIL NEW



- Copper refrigerator tube has the features of high temperature resistance, corrosion resistance, oxidation resistance, durability, long service life.
- Having strong heat transfer capability because the copper tubes are hollow.
- Good heat dissipation and refrigeration capability, high strength at low temperature.
- High dimensional accuracy. Smooth bending allows copper tubes to bend at any angle.
- Refrigerator tubing is not only used for refrigerator, freezer and air conditioner as refrigeration tubing coil, but also used as a HVAC system pipe.

Item No.	Specifications	U/M	Std. Pkg.
90001	1/4" OD X 50'	EA	1
90002	5/16" OD X 50'	EA	1
90003	3/8" OD X 50'	EA	1
90004	1/2" OD X 50'	EA	1
90005	5/8" OD X 50'	EA	1
90006	3/4" OD X 50'	EA	1
90007	7/8" OD X 50'	EA	1
90008	1 1/8" OD X 50'	EA	1

MINI SPLIT FLEXIBLE REFRIGERATE LINE



- Prevents refrigerant line from kinking.
- Easy installation, saving time and labor costs.
- Each line has a 3" long copper end for easier flaring.

Item No.	Specifications	U/M	Std. Pkg.
90031	1/4" OD x 36" Mini Split Flex Line	EA	1
90032	3/8" OD x 36" Mini Split Flex Line	EA	1
90033	1/2" OD x 36" Mini Split Flex Line	EA	1
90034	5/8" OD x 36" Mini Split Flex Line	EA	1
90035	3/4" OD x 36" Mini Split Flex Line	EA	1
90036	7/8" OD x 36" Mini Split Flex Line	EA	1
90041	1/4" OD x 72" Mini Split Flex Line	EA	1
90042	3/8" OD x 72" Mini Split Flex Line	EA	1
90043	1/2" OD x 72" Mini Split Flex Line	EA	1
90044	5/8" OD x 72" Mini Split Flex Line	EA	1

ACCESS FITTINGS

EXTENDED TUBE WITH ACCESS FITTING



- For refrigeration applications.
- May be installed in any position on either high or low side for charging, purging, quick testing or pressure checking.
- Durable & convenient.

Item No.	Specifications	U/M	Std. Pkg.
91111	1/8" OD Extended Tube with 1/4" Access Fitting	EA	10
91112	3/16" OD, 1/8" ID Extended Tube with Access Fitting	EA	10
91113	1/4" OD, 3/16" ID Extended Tube with Access Fitting	EA	10
91114	5/16" OD, 1/4" ID Extended Tube with 1/4" Access Fitting	EA	10
91115	3/8" OD, 5/16" ID Extended Tube with 1/4" Access Fitting	EA	10
91116	1/2" OD Extended Tube with 1/4" Access Fitting	EA	10

SOLDER TEE W/ACCESS FITTING



Item No.	Specifications	U/M	Std. Pkg.
91121	Solder Tee W/Access Fitting, 1/4" OD	EA	3
91122	Solder Tee W/Access Fitting, 5/16" OD	EA	3
91123	Solder Tee W/Access Fitting, 3/8" OD	EA	3
91124	Solder Tee W/Access Fitting, 1/2" OD	EA	3
91125	Solder Tee W/Access Fitting, 5/8" OD	EA	1
91126	Solder Tee W/Access Fitting, 3/4" OD	EA	1
91127	Solder Tee W/Access Fitting, 7/8" OD	EA	1

STRAIGHT SOLDER ACCESS FITTING

Item No.	Specifications	U/M	Std. Pkg.
91141	3/16" OD Straight Solder Access Fitting	EA	10
91142	1/4" OD Straight Solder Access Fitting	EA	10
91143	3/8" OD Straight Solder Access Fitting	EA	10
91144	3 Way Solder Access Fitting For 3/16" OD Tube	EA	6

**MPT HALF UNION**

Item No.	Specifications	U/M	Std. Pkg.
91151	1/8" Mpt Half Union	EA	6
91152	1/4" Mpt Half Union	EA	6

**FLARE SEAL CAP**

Item No.	Specifications	U/M	Std. Pkg.
91155	1/4" Flare Seal Cap	EA	10
91156	1/4" Flare Seal Cap W/Core Remover	EA	10

**VALVE CORE**

Item No.	Specifications	U/M	Std. Pkg.
91157	Valve Core	EA	10

**ACCESS FITTING W/FEMALE SWIVEL NUT & DEPRESSOR**

Item No.	Specifications	U/M	Std. Pkg.
91161	Access Fitting W/Female Swivel Nut & Depressor, 1/4" Flare	EA	6

**NUT W/DEPRESSOR X ACCESS FITTING**

Item No.	Specifications	U/M	Std. Pkg.
91162	1/4" Male Flare x 1/4" Female Flare Swivel Nut W/Depressor x Access Fitting	EA	3

**FLARE SWIVEL NUT W/DEPRESSOR**

Item No.	Specifications	U/M	Std. Pkg.
91163	1/4" Male Flare x Access Fitting x 1/4" Female Flare Swivel Nut W/Depressor	EA	1

**ACCESS ADAPTERS**

- Perfect for R410a import mini split system air conditioners.
- Durable.

Item No.	Specifications	U/M	Std. Pkg.
91101	1/4" Female Flare Swivel W/Depressor Tip & Seal x 1/4" Mpt	EA	1
91102	1/4" Male Flare x 1/2" Female Unf	EA	1



REFRIGERANT LOCKING CAPS

- Code Compliant - meets the IMC and IRC codes requirement.
- Weather Proof - anodized aluminum casing with threaded brass insert.
- Universal Key Available - fits refrigerant locking caps from all major manufacturers.
- Deters Refrigerant Theft - tamper resistant cap design. Refrigerant locking caps are precision machined from high grade brass and surrounded by a protective aluminum shroud making it difficult to access the refrigerant. Special tools are required to apply or remove caps.
- Refrigerant locking caps are embossed and color-coded. Proper installation safeguards against accidental mixing of refrigerant gases in A/C systems.

Item No.	Specifications	U/M	Std. Pkg.
91601-2	1/4" Refrigerant Locking Cap, Green for R-22, 2/PK	PK	1
91601-10	1/4" Refrigerant Locking Cap, Green for R-22, 10/PK	PK	1
91601-12	1/4" Refrigerant Locking Cap, Green for R-22, 12/PK	PK	1
91601-6K	1/4" Refrigerant Locking Cap W/Key, Green for R-22, 6/PK	PK	1
91601-50K	1/4" Refrigerant Locking Cap W/Keys, Green for R-22, 50/PK	PK	1



Item No.	Specifications	U/M	Std. Pkg.
91602-2	1/4" Refrigerant Locking Cap, Red for R-410, 2/PK	PK	1
91602-10	1/4" Refrigerant Locking Cap, Red for R-410, 10/PK	PK	1
91602-12	1/4" Refrigerant Locking Cap, Red for R-410, 12/PK	PK	1
91602-6K	1/4" Refrigerant Locking Cap W/Key, Red for R-410, 6/PK	PK	1
91602-50K	1/4" Refrigerant Locking Cap W/Keys, Red for R-410, 50/PK	PK	1
91602-500	1/4" Refrigerant Locking Cap, Red for R-410, 500/PK	PK	1



Item No.	Specifications	U/M	Std. Pkg.
91603-2	5/16" Refrigerant Locking Cap, Red for R-410, 2/PK	PK	1
91603-10	5/16" Refrigerant Locking Cap, Red for R-410, 10/PK	PK	1
91603-12	5/16" Refrigerant Locking Cap, Red for R-410, 12/PK	PK	1
91603-6K	5/16" Refrigerant Locking Cap W/Key, Red for R-410, 6/PK	PK	1
91603-50K	5/16" Refrigerant Locking Cap W/Key, Red for R-410, 50/PK	PK	1



Item No.	Specifications	U/M	Std. Pkg.
91604-2	1/4" Refrigerant Locking Cap, Universal Silver, 2/PK	PK	1
91604-10	1/4" Refrigerant Locking Cap, Universal Silver, 10/PK	PK	1
91604-12	1/4" Refrigerant Locking Cap, Universal Silver, 12/PK	PK	1
91604-6K	1/4" Refrigerant Locking Cap W/Key, Universal Silver, 6/PK	PK	1
91604-50K	1/4" Refrigerant Locking Cap W/Key, Universal Silver, 50/PK	PK	1
91604-500	1/4" Refrigerant Locking Cap, Universal Silver, 500/PK	PK	1



KEY FOR REFRIGERANT SAFETY CAPS

Item No.	Specifications	U/M	Std. Pkg.
91605	Universal Key for Refrigerant Locking Cap	EA	1



PIERCING VALVE & TOOLS

SELF PIERCING VALVES

- The valve core is in the 1/4" male port.
- Quick and easy operation.
- Durable & convenient.

Item No.	Specifications	U/M	Std. Pkg.
91501	Self Piercing Valve, for Tube 1/4", 5/16", 3/8" OD	EA	1
91502	Self Piercing Valve, for Tube 1/2", 5/8" OD	EA	1



UNIVERSAL PIERCING VALVES

- Install valve.
- Connect charging hose.
- Quick and easy operation.
- Durable & convenient.

Item No.	Specifications	U/M	Std. Pkg.
91503	Universale Piercing Valve, for Tube 1/4", 5/16", 3/8" OD	EA	1
91504	Universal Piercing Valve, for Tube 1/2", 5/8" OD	EA	1



NOTES

[illegible]

CEMENTS

BLACK SWAN® PVC CEMENTS - REGULAR BODIED

- For all classes and schedules of PVC pipe and fittings through 4" diameter, except schedule 80 which is recommended up to 2" diameter.

Item No.	Specifications	U/M	Std. Pkg.
27000	PVC Clear Cement, Regular Bodied 1/4 Pint	EA	1
27005	PVC Clear Cement, Regular Bodied 1/2 Pint	EA	1
27010	PVC Clear Cement, Regular Bodied 1 Pint	EA	1
27015	PVC Clear Cement, Regular Bodied 1 Quart	EA	1



MADE IN USA

BLACK SWAN® PVC CEMENTS - MEDIUM BODIED

- PVC cement is for all classes and schedules of PVC pipe and fittings through 6" diameter.

Item No.	Specifications	U/M	Std. Pkg.
27030	PVC Clear Cement, Medium Bodied 1/4 Pint	EA	1
27032	PVC Clear Cement, Medium Bodied 1/2 Pint	EA	1
27034	PVC Clear Cement, Medium Bodied 1 Pint	EA	1
27036	PVC Clear Cement, Medium Bodied 1 Quart	EA	1



MADE IN USA

BLACK SWAN® PVC CEMENTS - HEAVY BODIED

- PVC cement - heavy is used for all classes and schedules of PVC pipe and fittings through 12" diameter. Can be used on irrigation, gas and conduit pipe.

Item No.	Specifications	U/M	Std. Pkg.
27048	PVC Clear Cement, Heavy Bodied 1/4 Pint	EA	1
27049	PVC Clear Cement, Heavy Bodied 1/2 Pint	EA	1
27050	PVC Clear Cement, Heavy Bodied 1 Pint	EA	1
27055	PVC Clear Cement, Heavy Bodied 1 Quart	EA	1



MADE IN USA

BLACK SWAN® PVC - FLEX CEMENTS - MEDIUM BODIED

- Recommended for solvent welding flexible PVC pipe and rigid fittings up to 3" diameter. PVC - flex cement can be used on potable water; sewer; and drain, waste and vent systems.

Item No.	Specifications	U/M	Std. Pkg.
27058	PVC Clear Flex Cement, Medium Bodied 1/4 Pint	EA	1
27059	PVC Clear Flex Cement, Medium Bodied 1/2 Pint	EA	1
27060	PVC Clear Flex Cement, Medium Bodied 1 Pint	EA	1
27061	PVC Clear Flex Cement, Medium Bodied 1 Quart	EA	1



MADE IN USA

BLACK SWAN® ALL WEATHER PVC CEMENTS - MEDIUM BODIED

- For all classes and schedules of PVC pipe and fittings through 6" diameter. All weather PVC cement - medium is specially formulated for use in temperatures down to 5°F. Sets up faster than regular PVC cement and remains free flowing at -15°F.

Item No.	Specifications	U/M	Std. Pkg.
27070	All Weather PVC Clear Cement, Medium Bodied 1 Pint	EA	1
27075	All Weather PVC Clear Cement, Medium Bodied 1 Quart	EA	1



MADE IN USA

BLACK SWAN® WET-OR-DRY PVC CEMENTS - MEDIUM BODIED

- For all classes and schedules of PVC pipe and fittings through 6" diameter; schedule 80 through 4" diameter. Wet-or-dry PVC cement is specially formulated for applications where conditions are very wet or very quick pressurization is desired.

Item No.	Specifications	U/M	Std. Pkg.
27078	Wet-Or-Dry PVC Blue Cement, Medium Bodied 1/4 Pint	EA	1
27079	Wet-Or-Dry PVC Blue Cement, Medium Bodied 1/2 Pint	EA	1
27080	Wet-Or-Dry PVC Blue Cement, Medium Bodied 1 Pint	EA	1
27081	Wet-Or-Dry PVC Blue Cement, Medium Bodied 1 Quart	EA	1



MADE IN USA



MADE IN USA

BLACK SWAN® PVC CEMENTS - GRAY - MEDIUM BODIED

- For all classes and schedules of PVC pipe and fittings through 6" diameter.

Item No.	Specifications	U/M	Std. Pkg.
27084	PVC Gray Cement, Medium Bodied 1/4 Pint	EA	1
27085	PVC Gray Cement, Medium Bodied 1/2 Pint	EA	1
27086	PVC Gray Cement, Medium Bodied 1 Pint	EA	1
27087	PVC Gray Cement, Medium Bodied 1 Quart	EA	1



MADE IN USA

BLACK SWAN® PVC CEMENTS - GRAY - HEAVY BODIED

- For all classes and schedules of PVC pipe and fittings through 12" diameter PVC cement - heavy can be used on irrigation, gas and conduct pipe.

Item No.	Specifications	U/M	Std. Pkg.
27092	PVC Gray Cement, Heavy Bodied 1/4 Pint	EA	1
27093	PVC Gray Cement, Heavy Bodied 1/2 Pint	EA	1
27094	PVC Gray Cement, Heavy Bodied 1 Pint	EA	1
27095	PVC Gray Cement, Heavy Bodied 1 Quart	EA	1



MADE IN USA

BLACK SWAN® 3 WAY CEMENTS - MEDIUM BODIED

- Black Swan® 3 Way cement is a clear, medium bodied, medium to fast set, high strength solvent cement used to join PVC, CPVC and ABS pipe and fittings. For all classes and schedules of pipe and fittings through 6" diameter.

Item No.	Specifications	U/M	Std. Pkg.
27105	3 Way Clear Cement, Medium Bodied 1/4 Pint	EA	1
27110	3 Way Clear Cement, Medium Bodied 1/2 Pint	EA	1
27115	3 Way Clear Cement, Medium Bodied 1 Pint	EA	1
27120	3 Way Clear Cement, Medium Bodied 1 Quart	EA	1



MADE IN USA

BLACK SWAN® TRANSITION CEMENT- MEDIUM BODIED

- For solvent welding non-pressure ABS to non-pressure PVC pipe and fittings up to 6" diameter schedule 40 and schedule 80. Transition cement can be used for sewer and drain, waste and vent systems.

Item No.	Specifications	U/M	Std. Pkg.
27130	Transition Green Cement, Medium Bodied 1/4 Pint	EA	1
27132	Transition Green Cement, Medium Bodied 1/2 Pint	EA	1
27134	Transition Green Cement, Medium Bodied 1 Pint	EA	1
27136	Transition Green Cement, Medium Bodied 1 Quart	EA	1



MADE IN USA

BLACK SWAN® CPVC CEMENTS - ORANGE - MEDIUM BODIED

- For CPVC pipe and fittings through 6" diameter.

Item No.	Specifications	U/M	Std. Pkg.
27185	CPVC Orange Cement, Medium Bodied 1/4 Pint	EA	1
27190	CPVC Orange Cement, Medium Bodied 1/2 Pint	EA	1
27195	CPVC Orange Cement, Medium Bodied 1 Pint	EA	1
27200	CPVC Orange Cement, Medium Bodied 1 Quart	EA	1

BLACK SWAN® CPVC CEMENTS ONE STEP- RED - MEDIUM BODIED

- Used to join CPVC pipe and fittings through 3" diameter. For use on CPVC fire sprinkler piping systems.

Item No.	Specifications	U/M	Std. Pkg.
27215	CPVC Red One-Step Cement, Medium Bodied 1 Pint	EA	1



MADE IN USA

BLACK SWAN® CPVC CEMENTS ONE STEP- YELLOW - MEDIUM BODIED

- For pipe and fittings through 2" diameter. CPVC one step cement is for use in cold and hot water systems (up to maximum 180°F) in residential plumbing, recreational vehicles, mobile homes and in industrial systems.

Item No.	Specifications	U/M	Std. Pkg.
27220	CPVC Yellow One-Step Cement, Medium Bodied 1/4 Pint	EA	1
27222	CPVC Yellow One-Step Cement, Medium Bodied 1/2 Pint	EA	1
27224	CPVC Yellow One-Step Cement, Medium Bodied 1 Pint	EA	1
27226	CPVC Yellow One-Step Cement, Medium Bodied 1 Quart	EA	1



MADE IN USA

BLACK SWAN® CPVC CEMENTS - ORANGE - HEAVY BODIED

- Used to join CPVC pipe and fitting up to 12" diameter.

Item No.	Specifications	U/M	Std. Pkg.
27230	CPVC Orange Cement, Heavy Bodied 1/4 Pint	EA	1
27231	CPVC Orange Cement, Heavy Bodied 1/2 Pint	EA	1
27232	CPVC Orange Cement, Heavy Bodied 1 Pint	EA	1
27233	CPVC Orange Cement, Heavy Bodied 1 Quart	EA	1



MADE IN USA

BLACK SWAN® CPVC CEMENTS - GRAY - HEAVY BODIED

- For CPVC pipe and fittings up to 12".

Item No.	Specifications	U/M	Std. Pkg.
27240	CPVC Gray Cement, Heavy Bodied 1/4 Pint	EA	1
27241	CPVC Gray Cement, Heavy Bodied 1/2 Pint	EA	1
27242	CPVC Gray Cement, Heavy Bodied 1 Pint	EA	1
27243	CPVC Gray Cement, Heavy Bodied 1 Quart	EA	1



MADE IN USA

BLACK SWAN® ALL PURPOSE PRIMERS / CLEANERS - PURPLE

- Used to soften, clean and prepare plastic pipe and fittings prior to assembly.
- All purpose primer/cleaner can be used with all types, schedules and classes of PVC and CPVC pipe and fittings.

Item No.	Specifications	U/M	Std. Pkg.
28000	All Purpose Purple Primer/Cleaner, 1/4 Pint	EA	1
28005	All Purpose Purple Primer/Cleaner, 1/2 Pint	EA	1
28010	All Purpose Purple Primer/Cleaner, 1 Pint	EA	1
28015	All Purpose Purple Primer/Cleaner, 1 Quart	EA	1



MADE IN USA



 **MADE IN USA**

BLACK SWAN® ALL PURPOSE PRIMERS / CLEANERS - CLEAR

- Used to soften, clean and prepare plastic pipe and fittings prior to assembly.
- All purpose primer/cleaner can be used with all type, schedules and classes of PVC and CPVC pipe and fittings.

Item No.	Specifications	U/M	Std. Pkg.
28030	All Purpose Clear Primer/Cleaner, 1/4 Pint	EA	1
28035	All Purpose Clear Primer/Cleaner, 1/2 Pint	EA	1
28040	All Purpose Clear Primer/Cleaner, 1 Pint	EA	1
28045	All Purpose Clear Primer/Cleaner, 1 Quart	EA	1



 **MADE IN USA**

BLACK SWAN® PURPLE PRIMERS

- Used to soften, clean and prepare plastic pipe and fittings prior to assembly.
- Purple primer can be used with all types, schedules and classes of PVC and CPVC pipe and fittings. A low VOC formulation.

Item No.	Specifications	U/M	Std. Pkg.
28100	PVC & CPVC Purple Primer, 1/4 Pint	EA	1
28105	PVC & CPVC Purple Primer, 1/2 Pint	EA	1
28110	PVC & CPVC Purple Primer, 1 Pint	EA	1
28115	PVC & CPVC Purple Primer, 1 Quart	EA	1



 **MADE IN USA**

BLACK SWAN® CLEAR PRIMERS

- Used to soften, clean and prepare plastic pipe and fittings prior to assembly.
- Clear primer can be used with all types, schedules and classes of PVC and CPVC pipe and fittings. A low VOC formulation.

Item No.	Specifications	U/M	Std. Pkg.
28130	PVC & CPVC Clear Primer, 1/4 Pint	EA	1
28135	PVC & CPVC Clear Primer, 1/2 Pint	EA	1
28140	PVC & CPVC Clear Primer, 1 Pint	EA	1
28145	PVC & CPVC Clear Primer, 1 Quart	EA	1



 **MADE IN USA**

BLACK SWAN® CLEAR CLEANERS

- Used to clean plastic pipe and fittings prior to assembly. Clear cleaner can be used with all types, schedules and classes of PVC, CPVC, ABS and styrene pipe and fittings. A low VOC formulation.

Item No.	Specifications	U/M	Std. Pkg.
28230	Clear Cleaner, 1/4 Pint	EA	1
28235	Clear Cleaner, 1/2 Pint	EA	1
28240	Clear Cleaner, 1 Pint	EA	1
28245	Clear Cleaner, 1 Quart	EA	1

HOSE CLAMPS

IDEAL COMBO-HEX GEAR CLAMPS, 3/8" HEAD

- Features an exclusive safety collared deep slotted screw design.
- Prevents screwdrivers from slipping and puncturing the hose wall.
- 10 per packaged.



Item No.	Specifications	U/M	Std. Pkg.
23003	[5406] #06, 3/8" - 7/8" Dia.	EA	1
23005	[5408] #08, 7/16" - 1" Dia.	EA	1
23007	[5410] #10, 9/16" - 1-1/8" Dia.	EA	1
23009	[5412] #12, 1/2" - 1-1/4" Dia.	EA	1
23011	[5416] #16, 11/16" - 1-1/2" Dia.	EA	1
23013	[5420] #20, 3/4" - 1-3/4" Dia.	EA	1
23015	[5424] #24, 1-1/16" - 2" Dia.	EA	1
23017	[5428] #28, 1-1/4" - 2-1/4" Dia.	EA	1
23019	[5432] #32, 1-1/2" - 2-1/2" Dia.	EA	1
23020	[5436] #36, 3/4" - 2-3/4" Dia.	EA	1

IDEAL MICRO-GEAR CLAMPS, 1/4" HEAD

- Tiny, tough and precision.
- Engineered for use in such small hose applicat.
- 10 per packaged.

Item No.	Specifications	U/M	Std. Pkg.
23030	[6204] #04, 5/16" - 5/8" Dia.	EA	1
23032	[6206] #06, 5/16" - 7/8" Dia.	EA	1
23034	[62P12] #12, 1/2" - 1 1/4" Dia.	EA	1
23036	[62P16] #16, 5/8" - 1 1/2" Dia.	EA	1
23038	[62P20] #20, 3/4" - 1 3/4" Dia.	EA	1

**PIPE SUPPORT****TUBE TALONS**

- Includes fasteners.
- Excellent quality.
- Easy and fast to install.

Item No.	Specifications	U/M	Std. Pkg.
25801	3/8" Pex Tube Talon 100/PK	PK	1
25802	1/2" Pex Tube Talon 100/PK	PK	1
25803	3/4" Pex Tube Talon 100/PK	PK	1
25804	1" Pex Tube Talon 50/PK	PK	1
25840	Combined Tube Talon for 1/2" Through 3/4" Pex, 100/PK	PK	1
25841	1/2" Full Tube Talon, 100/PK	PK	1
25842	3/4" Full Tube Talon, 100/PK	PK	1

**PLASTIC BEND SUPPORT**

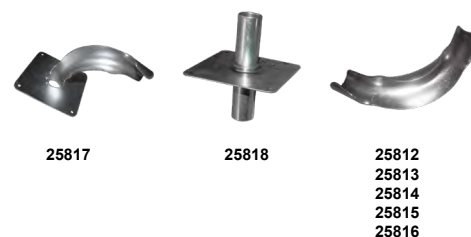
- Provides rigid 90° bend.
- Excellent quality.
- Easy and fast to install.

Item No.	Specifications	U/M	Std. Pkg.
25807	3/8" Plastic Bend Support	EA	300
25808	1/2" Plastic Bend Support	EA	300
25809	3/4" Plastic Bend Support	EA	50
25811	1/2" Plastic Drop Ear Bend Support	EA	150

**METAL BEND SUPPORT**

- Provides rigid 90° bend.
- Zinc-plated.
- Easy and fast to install.

Item No.	Specifications	U/M	Std. Pkg.
25812	3/8" Metal Bend Support	EA	1
25813	1/2" Metal Bend Support	EA	50
25814	5/8" Metal Bend Support	EA	50
25815	3/4" Metal Bend Support	EA	25
25816	3/8" Metal Drop Ear Bend Support - Discontinued	EA	1
25817	1/2" Metal Drop Ear Bend Support	EA	25
25818	1/2" Metal Straight-Thru Bend Support	EA	100





TUBING CLAMPS

- Perfect for securing wire or pipes.
- Durable and strong.
- Easy and fast installation.

Item No.	Specifications	U/M	Std. Pkg.
25850	Tube Clamp Suspension (1/2" Pex), 100/PK	PK	1
25851	Tube Clamp Suspension (3/4" Pex), 50/PK	PK	1
25852	Tube Clamp Standard (1/2" Pex), 100/PK	PK	1
25853	Tube Clamp Standard (3/4" Pex), 50/PK	PK	1
25854	1" Tube Clamp Suspension, 50/PK	PK	1
25855	1" Tube Clamp Standard, 100/PK	PK	1



TUBING CLIPS

- Perfect for securing wire or pipes.
- Can choose from multiple sizes.
- Easy and fast installation.

Item No.	Specifications	U/M	Std. Pkg.
25823	1/8" Nylon Cable Clamps, 100/PK	PK	1
25824	3/16" Nylon Cable Clamps, 100/PK	PK	1
25825	1/4" Nylon Cable Clamps, 100/PK	PK	1
25826	3/8" OD, 1/4" Nominal Nylon Tube Clips, 100/PK	PK	1
25827	1/2" OD, 3/8" Nominal Nylon Tube Clips, 100/PK	PK	1
25828	9/16" Nylon Cable Clamps, 100/PK	PK	1
25829	5/8" OD, 1/2" Nominal Nylon Tube Clips, 100/PK	PK	1
25830	3/4" OD, 5/8" Nominal Nylon Tube Clips, 100/PK	PK	1
25831	7/8" OD, 3/4" Nominal Nylon Tube Clips, 100/PK	PK	1
25832	1" OD, 7/8" Nominal Nylon Tube Clips, 100/PK	PK	1



STAINLESS STEEL INSERT

- Made of stainless steel, it is highly rust and corrosion resistant, can withstand harsh weather conditions and remains structurally intact even in wet areas.
- Wide range of uses, suitable for various occasions and materials.
- Portable and easy to use.

Item No.	Specifications	U/M	Std. Pkg.
22900	1/4" Stainless Steel Insert	EA	10
22901	3/8" Stainless Steel Insert	EA	10
22902	1/2" Stainless Steel Insert	EA	10



FULL PORT BALL VALVE

Item No.	Specifications	U/M	Std. Pkg.
32003	1/2" Fip X 1/2" Fip, Lead Free	EA	1
32004	3/4" Fip X 3/4" Fip, Lead Free	EA	1
32005	1" Fip X 1" Fip, Lead Free	EA	1
32006	1-1/4" Fip X 1-1/4" Fip, Lead Free	EA	1
32007	1-1/2" Fip X 1-1/2" Fip, Lead Free	EA	1
32008	2" Fip X 2" Fip, Lead Free	EA	1



Item No.	Specifications	U/M	Std. Pkg.
32031	1/2" Sweat X 1/2" Sweat, Lead Free	EA	1
32032	3/4" Sweat X 3/4" Sweat, Lead Free	EA	1
32033	1" Sweat X 1" Sweat, Lead Free	EA	1
32034	1-1/4" Sweat X 1-1/4" Sweat, Lead Free	EA	1
32035	1-1/2" Sweat X 1-1/2" Sweat, Lead Free	EA	1
32036	2" Sweat X 2" Sweat, Lead Free	EA	1

Item No.	Specifications	U/M	Std. Pkg.
32041	1/2" Push X 1/2" Push, Lead Free	EA	1
32042	3/4" Push X 3/4" Push, Lead Free	EA	1
32043	1" Push X 1" Push, Lead Free	EA	1

Item No.	Specifications	U/M	Std. Pkg.
32045	1/2" Pex X 1/2" Pex, Lead Free	EA	1
32046	3/4" Pex X 3/4" Pex, Lead Free	EA	1
32047	1" Pex X 1" Pex, Lead Free	EA	1

Item No.	Specifications	U/M	Std. Pkg.
32051	1/2" Comp X 1/2" Comp, Lead Free	EA	1
32052	3/4" Comp X 3/4" Comp, Lead Free	EA	1
32053	1" Comp X 1" Comp, Lead Free	EA	1



SUPPLY STOP VALVE

Item No.	Specifications	U/M	Std. Pkg.
35001	3/8" Fip X 3/8" Comp, Straight, Lead Free	EA	1
35002	1/2" Fip X 1/4" Comp, Straight, Lead Free	EA	1
35003	1/2" Fip X 3/8" Comp, Straight, Lead Free	EA	1

Item No.	Specifications	U/M	Std. Pkg.
35004	3/8" Fip X 3/8" Comp, Angle, Lead Free	EA	1
35005	1/2" Fip X 1/4" Comp, Angle, Lead Free	EA	1
35006	1/2" Fip X 3/8" Comp, Angle, Lead Free	EA	1

Item No.	Specifications	U/M	Std. Pkg.
35007	5/8" Comp X 3/8" Comp, Straight, Lead Free	EA	1

Item No.	Specifications	U/M	Std. Pkg.
35008	5/8" Comp X 1/4" Comp, Angle, Lead Free	EA	1
35009	5/8" Comp X 3/8" Comp, Angle, Lead Free	EA	1

Item No.	Specifications	U/M	Std. Pkg.
35010	1/2" Sweat X 3/8" Comp, Lead Free	EA	1

Item No.	Specifications	U/M	Std. Pkg.
35011	1/2" Sweat X 3/8" Comp, Sink/Closet, Lead Free	EA	1

Item No.	Specifications	U/M	Std. Pkg.
35012	1/2" Cpvc X 3/8" Comp, Straight, Lead Free	EA	1





Item No.	Specifications	U/M	Std. Pkg.
35013	1/2" C PVC X 3/8" Comp, Angle, Lead Free	EA	1



Item No.	Specifications	U/M	Std. Pkg.
35014	1/2" Pex X 3/8" Comp, Full Turn Straight, Lead Free	EA	1



Item No.	Specifications	U/M	Std. Pkg.
35015	1/2" Pex X 3/8" Comp, Full Turn Angle, Lead Free	EA	1



Item No.	Specifications	U/M	Std. Pkg.
35016	1/2" Pex X 3/8" Comp, Straight, Lead Free	EA	1



Item No.	Specifications	U/M	Std. Pkg.
35017	1/2" Pex X 1/4" Comp, Angle, Lead Free	EA	1
35018	1/2" Pex X 3/8" Comp, Angle, Lead Free	EA	1



Item No.	Specifications	U/M	Std. Pkg.
35019	1/2" Push X 1/4" Comp, Straight, Lead Free	EA	1
35020	1/2" Push X 3/8" Comp, Straight, Lead Free	EA	1
35021	1/2" Push X 1/2" Comp, Straight, Lead Free	EA	1
35022	1/2" Push X 5/8" Comp, Straight, Lead Free	EA	1



Item No.	Specifications	U/M	Std. Pkg.
35023	1/2" Push X 1/4" Comp, Angle, Lead Free	EA	1
35024	1/2" Push X 3/8" Comp, Angle, Lead Free	EA	1
35025	1/2" Push X 1/2" Comp, Angle, Lead Free	EA	1
35026	1/2" Push X 5/8" Comp, Angle, Lead Free	EA	1



SUPPLY STOP VALVE

Item No.	Specifications	U/M	Std. Pkg.
35027	1/2" Push X 1/2" Push, Straight, Lead Free	EA	1



Item No.	Specifications	U/M	Std. Pkg.
35028	1/2" Push X 1/2" Push, Angle, Lead Free	EA	1

WELDING BOND

J-B® WELD

- Provides strong, lasting repairs to metal and multiple surfaces.
- At room temperature, J-B Weld sets in 4-6 hours to a dark grey color.
- A full cure is reached in 15-24 hours.

Item No.	Specifications	U/M	Std. Pkg.
C0101	J-B® Weld 1 Oz Twin Tube	EA	1
C0102	J-B® Industrial Weld 5 Oz Twin Tube	PK	1



MADE IN USA

J-B® KWIKWELD

- Provides strong, lasting repairs to metal and multiple other surface types.
- Sets in 6 minutes and is fully cured in 4-6 hours.
- Cures to a dark grey color.

Item No.	Specifications	U/M	Std. Pkg.
C0105	J-B® Kwikweld Twin Tube, 2 1 Oz Tube	EA	1



MADE IN USA

J-B® WATERWELD

- Will plug or seal leaks and patch holes and cracks in almost anything.
- Setup occurs even under water.
- Has a set time of 15-25 minutes and sets hard in one hour.
- Cures to an off-white color.

Item No.	Specifications	U/M	Std. Pkg.
C0106	J-B® WaterWeld, 2 Oz	EA	1



MADE IN USA

LEAK DETECTORS

BLACK SWAN® LEAK DETECTOR

- Used to find leaks of air, natural gas, refrigerants, CO2 and most other gases.
- Non-toxic, non-flammable and non-freezing to -10° F.
- Do not dilute this product and use directly from container.

Item No.	Specifications	U/M	Std. Pkg.
C1001	Leak Detector W/Dauber Cap, 8 Oz	EA	1
C1003	Leak Detector W/Sprayer, 22 Oz	EA	1



MADE IN USA

INSECT REPELLENT

ENFORCER® WASP & YELLOW JACKET FOAM

- Contains tetramethrin and sumithrin.
- Jet blasts from up to 22 feet creating a fast-acting, blanketing foam that traps pests.
- Kills wasps, hornets and yellow jackets.

Item No.	Specifications	U/M	Std. Pkg.
C0401	Wasp & Yellow Jacket Foam, 16 Oz	EA	1



MADE IN USA



 **MADE IN USA**

THREAD JOINT SEALANT

THREAD JOINT STICK - BLACK SWAN® PIPE JOINT STICK

- Clean surface to which compound is to be applied of dirt, oil, moisture and more.
- Compounded to prevent rust and corrosion and to allow easier disassembly.
- Non-toxic and lead-free.

Item No.	Specifications	U/M	Std. Pkg.
C0210	Pipe Joint Stick, 1.3 Oz Tube	EA	1



 **MADE IN USA**

THREAD JOINT STICK - BLACK SWAN® PIPE JOINT COMPOUND WITH PTFE

- Seals threaded joints tight and will not crack or crumble.
- Contains no lead and is safe for all water systems.
- Non-hardening.

Item No.	Specifications	U/M	Std. Pkg.
C0211	Pipe Joint Compound with Ptfе, 3Ml	EA	1
C0212	Pipe Joint Compound with Ptfе, 1/4 Pint	EA	1
C0213	Pipe Joint Compound with Ptfе, 1/2 Pint	EA	1
C0214	Pipe Joint Compound with Ptfе, 1 Pint	EA	1
C0215	Pipe Joint Compound with Ptfе, 1 Quart	EA	1



 **MADE IN USA**

BRAZING CHEMICAL MATERIAL

HEAT ABSORBING PASTE

- Protect adjacent surfaces that may be damaged by overheating.
- Safe to use, non-toxic, non-asbestos, harmless to the skin, and tasteless.
- Easy to use, apply directly from the tube to the surface.
- Easy to clean, wipe with a cloth or wash with water; no stains are left.
- Used to cool heated surfaces.

Item No.	Specifications	U/M	Std. Pkg.
C0301	Heat Absorbing Paste, 10 Oz Tube	EA	1



 **MADE IN USA**

HEAT BARRIER SPRAY

- Protects painted and finished surfaces from discoloration due to adjacent torch operations.
- Unique gelled formula sticks to surfaces without dripping or running off.
- Clear, non-staining gel leaves no residue eliminating clean-up.
- Safe, non-toxic, harmless to skin and odorless.
- Reduces danger of fire to surrounding surfaces such as rubber and plastic seals and gaskets.

Item No.	Specifications	U/M	Std. Pkg.
C0311	Heat Barrier Spray, 1 Quart	EA	1

Item No.	Page No.	Item No.	Page No.	Item No.	Page No.	Item No.	Page No.	Item No.	Page No.
12001	41	12133	43	12301	34	12373	37	12465	26
12002	41	12134	43	12302	34	12374	37	12466	26
12003	41	12135	43	12303	34	12375	37	12467	26
12004	41	12136	43	12304	34	12376	37	12468	26
12005	41	12137	43	12305	34	12377	37	12469	26
12006	41	12138	43	12306	34	12378	37	12470	26
12007	41	12139	43	12307	34	12401	28	12471	26
12008	41	12140	43	12308	35	12402	28	12472	26
12009	41	12141	43	12309	35	12403	28	12473	25
12010	41	12142	43	12310	35	12404	28	12474	25
12011	41	12143	43	12311	35	12405	28	12475	25
12012	41	12144	43	12312	35	12406	28	12476	25
12013	41	12145	43	12313	35	12407	29	12501	109
12014	41	12146	43	12314	35	12408	29	12502	109
12015	41	12147	43	12315	35	12409	29	12503	109
12016	42	12148	43	12317	35	12410	29	12504	109
12017	42	12149	43	12318	35	12411	29	12505	109
12018	42	12150	43	12319	35	12412	29	12506	109
12019	42	12151	43	12320	35	12413	29	12507	109
12020	42	12152	43	12321	35	12414	29	12508	109
12021	42	12153	43	12323	35	12415	37	12509	109
12022	42	12154	43	12324	35	12416	37	12510	109
12023	42	12155	43	12325	35	12417	37	12511	109
12024	42	12156	43	12326	35	12418	37	12512	109
12025	42	12157	43	12327	35	12419	37	12513	109
12026	42	12158	43	12328	35	12422	29	12514	109
12027	42	12159	43	12329	35	12423	29	12515	109
12028	42	12160	43	12330	35	12424	29	12516	109
12029	42	12161	43	12331	35	12425	29	12517	109
12030	42	12162	43	12332	35	12426	25	12520	109
12031	42	12163	43	12333	35	12427	25	12521	109
12032	42	12164	43	12334	36	12428	25	12522	109
12033	42	12165	43	12335	36	12429	25	12523	109
12034	42	12166	43	12336	36	12430	25	12524	109
12035	42	12167	43	12337	36	12431	25	12525	109
12036	42	12168	43	12338	36	12432	25	12526	109
12101	43	12169	43	12339	35	12433	25	12528	109
12102	43	12170	43	12340	35	12434	25	12541	109
12103	43	12171	43	12341	35	12435	25	12542	109
12104	43	12172	43	12343	35	12436	25	12543	109
12105	43	12173	43	12344	36	12437	25	12544	109
12106	43	12174	43	12345	36	12438	25	12545	109
12107	43	12201	34	12346	36	12439	25	12546	109
12108	43	12202	34	12347	36	12440	25	12547	109
12109	43	12203	34	12348	36	12441	25	12548	109
12110	43	12204	34	12350	36	12442	25	12601	44
12111	43	12205	34	12351	35	12443	38	12602	44
12112	43	12206	34	12352	35	12444	38	12603	44
12113	43	12207	34	12353	36	12445	38	12608	44
12114	43	12208	34	12354	36	12446	38	12609	44
12115	43	12209	34	12355	36	12447	38	12612	44
12116	43	12210	34	12356	36	12448	38	12613	44
12117	43	12211	34	12357	36	12449	38	12614	44
12118	43	12212	34	12358	36	12450	38	12615	44
12119	43	12213	34	12359	36	12451	38	12618	44
12120	43	12214	34	12360	36	12452	38	12619	44
12121	43	12215	34	12361	36	12453	26	12620	44
12122	43	12216	34	12362	36	12454	26	12621	44
12123	43	12217	34	12363	36	12455	26	12624	45
12124	43	12218	34	12364	36	12456	26	12625	45
12125	43	12219	34	12365	36	12457	26	12626	45
12126	43	12220	34	12366	37	12458	26	12627	45
12127	43	12221	34	12367	37	12459	26	12630	45
12128	43	12222	34	12368	37	12460	26	12631	45
12129	43	12223	34	12369	37	12461	26	12632	45
12130	43	12224	34	12370	37	12462	26	12633	45
12131	43	12225	34	12371	37	12463	26	12634	45
12132	43	12226	34	12372	37	12464	26	12635	45

Item No.	Page No.	Item No.	Page No.	Item No.	Page No.	Item No.	Page No.	Item No.	Page No.
12636	45	12714	27	13022	31	13202	32	13514R	39
12637	45	12715	27	13023	31	13203	32	13516	39
12638	45	12716	27	13024	31	13204	32	13516R	39
12639	45	12717	27	13025	31	13205	32	13517	39
12640	44	12718	27	13026	31	13206	32	13517R	39
12641	44	12719	27	13027	31	13207	32	13518	39
12642	44	12720	27	13028	31	13208	32	13518R	39
12643	44	12721	27	13029	31	13209	33	13519	39
12645	45	12722	27	13030	31	13210	33	13519R	39
12646	45	12723	27	13031	31	13211	33	13520	39
12647	45	12724	27	13032	31	13212	33	13521	39
12648	45	12725	27	13033	31	13213	33	13521W	39
12649	45	12726	27	13034	31	13214	33	13522	39
12650	45	12727	27	13035	31	13215	33	13523	39
12652	45	12728	27	13036	32	13216	33	13524	39
12653	45	12729	27	13037	32	13217	33	13525	39
12656	46	12730	27	13038	32	13218	33	13526	39
12657	46	12731	27	13039	32	13219	33	13527	39
12658	46	12732	27	13040	32	13220	33	13528	39
12659	46	12733	27	13041	32	13221	33	13528R	39
12660	46	12734	27	13042	32	13222	33	13529	39
12661	46	12735	27	13043	32	13223	33	13529R	39
12664	45	12736	27	13044	32	13224	33	13530	39
12665	45	12740	27	13045	32	13225	33	13531	40
12666	45	12741	27	13046	32	13226	33	13532	40
12667	45	12742	27	13047	32	13227	33	13532R	40
12670	46	12743	27	13048	32	13301	33	13533	40
12671	46	12751	28	13049	32	13302	33	13533R	40
12672	46	12752	28	13050	32	13303	33	13534	39
12673	46	12753	28	13051	32	13304	33	13535	39
12675	46	12751V	28	13052	32	13305	33	13536	40
12676	46	12752V	28	13101	32	13306	33	13537	40
12677	46	12753V	28	13102	32	13307	33	13538	40
12678	46	12771	28	13103	32	13308	33	13538R	40
12679	46	12771BM	28	13104	32	13309	33	13539	40
12680	46	12772	28	13105	32	13310	33	13539R	40
12681	46	12772BM	28	13106	32	13311	33	13540	40
12682	46	12773	28	13107	32	13312	33	13540R	40
12683	46	12773BM	28	13108	32	13313	33	13541	40
12684	46	12774	28	13109	32	13314	33	13542	40
12685	46	12774BM	28	13110	32	13315	33	13543	40
12686	46	12775	28	13111	32	13316	33	13543R	40
12687	46	12775BM	28	13112	32	13317	33	13544	40
12688	46	12776	28	13113	32	13318	33	13545	40
12689	46	12776BM	28	13114	32	13319	33	13546	40
12690	46	12777	28	13115	32	13320	33	13546R	40
12691	46	12777BM	28	13116	32	13321	33	13547	40
12692	46	13001	31	13117	32	13322	33	13549	40
12693	47	13002	31	13118	32	13323	33	13550	40
12694	47	13003	31	13119	32	13501	39	13551	40
12695	47	13004	31	13120	32	13502	39	13551R	40
12696	46	13005	31	13121	32	13502R	39	13552	40
12697	46	13006	31	13122	32	13503	39	13552R	40
12698	46	13007	31	13123	32	13504	39	13553	40
12699	46	13008	31	13124	32	13505	39	13553R	40
12701	26	13009	31	13125	32	13505R	39	13554	40
12702	26	13010	31	13126	32	13506	39	13554R	40
12703	26	13011	31	13127	32	13506R	39	13555	40
12704	26	13012	31	13128	32	13507	39	13555R	40
12705	26	13013	31	13129	32	13508	39	13556	40
12706	26	13014	31	13130	32	13508R	39	13556R	40
12707	26	13015	31	13131	32	13509	39	13557	40
12708	26	13016	31	13132	32	13509R	39	13558	40
12709	26	13017	31	13133	32	13510	39	13558R	40
12710	26	13018	31	13134	32	13511	39	13559	40
12711	26	13019	31	13135	32	13512	39	13559R	40
12712	26	13020	31	13136	32	13513	39	13560	40
12713	27	13021	31	13201	32	13514	39	13560R	40

Item No.	Page No.	Item No.	Page No.	Item No.	Page No.	Item No.	Page No.	Item No.	Page No.
13561	40	15441	67	15539	55	15628	69	15829	57
13561R	40	15442	67	15540	55	15629	69	15830	68
13562	40	15443	67	15541	55	15630	69	15831	68
13563	40	15444	67	15539NM	55	15631	69	15832	68
13564	40	15445	67	15540NM	55	15632	70	15833	68
13565	40	15446	67	15541NM	55	15633	70	15834	68
13566	41	15447	67	15542	79	15634	70	15835	68
13567	41	15448	67	15543	79	15635	70	15836	68
13568	41	15449	67	15544	79	15636	70	15837	68
13568R	41	15450	67	15545	79	15637	70	15838	68
13569	41	15451	67	15546	79	15638	70	15841	54
13570	41	15452	67	15547	79	15639	70	15842	54
13570R	41	15453	67	15548	79	15640	70	15843	54
13571	41	15454	67	15549	79	15641	70	15844	54
13571R	41	15455	67	15550	79	15642	70	15845	54
13572	41	15456	68	15551	79	15701	70	15901	60
13573	41	15457	68	15553	56	15702	70	15902	60
13574	41	15458	68	15554	56	15703	70	15903	60
15201	7	15459	68	15555	56	15704	70	15904	60
15202	7	15460	68	15556	77	15707	70	15905	60
15203	7	15461	68	15557	77	15708	70	15906	60
15204	7	15462	68	15558	77	15709	70	15907	60
15220	7	15463	68	15559	77	15710	70	15908	60
15221	7	15464	68	15560	77	15711	70	15909	60
15241	7	15471	65	15561	77	15712	70	15910	60
15242	7	15472	65	15562	77	15713	71	15911	60
15243	7	15473	65	15563	77	15714	71	15912	60
15244	7	15474	65	15564	77	15715	71	15913	60
15401	65	15475	65	15572	77	15716	71	15914	60
15402	65	15476	65	15573	77	15717	71	15915	60
15403	65	15477	65	15574	77	15718	71	15916	60
15404	65	15490	65	15575	77	15719	71	15917	60
15405	65	15491	65	15576	77	15720	71	15918	60
15406	65	15501	64	15577	77	15721	71	15919	60
15407	65	15502	64	15578	77	15722	71	15920	60
15408	65	15503	64	15579	77	15723	71	15921	60
15409	65	15504	64	15580	77	15724	71	15922	60
15410	65	15505	64	15581	77	15725	71	15923	60
15411	65	15506	64	15582	77	15726	71	15924	60
15412	65	15507	64	15583	77	15727	71	15925	60
15413	65	15508	64	15584	78	15801	53	15926	60
15414	65	15509	64	15585	78	15802	53	15927	60
15415	65	15510	55	15601	69	15803	53	15928	60
15416	66	15511	55	15602	69	15804	53	15929	60
15417	66	15512	55	15603	69	15805	53	15930	60
15418	66	15513	55	15604	69	15806	53	15931	60
15419	66	15514	56	15605	69	15807	53	15932	60
15420	66	15515	56	15606	69	15808	53	15933	60
15421	66	15516	56	15607	69	15809	53	15934	60
15422	66	15520	79	15609	69	15810	53	15935	60
15423	66	15521	79	15610	69	15811	53	15936	60
15424	66	15522	79	15611	69	15812	53	15937	60
15425	66	15523	79	15612	69	15813	53	15938	60
15426	66	15524	79	15613	69	15814	53	15939	60
15427	66	15525	79	15614	69	15815	53	15940	60
15428	66	15526	79	15615	69	15816	53	15941	61
15429	66	15527	79	15616	69	15817	54	15942	61
15430	66	15528	71	15617	69	15818	54	15943	61
15431	66	15529	71	15618	69	15819	54	15944	61
15432	66	15530	71	15619	69	15820	54	15945	61
15433	66	15531	72	15620	69	15821	57	15946	61
15434	66	15532	72	15621	69	15822	57	15947	61
15435	66	15533	72	15622	69	15823	57	15948	61
15436	66	15534	72	15623	69	15824	57	15949	61
15437	66	15535	72	15624	69	15825	57	15950	61
15438	66	15536	62	15625	69	15826	57	15951	61
15439	66	15537	62	15626	69	15827	57	15952	61
15440	67	15538	62	15627	69	15828	57	15953	61

Item No.	Page No.	Item No.	Page No.	Item No.	Page No.	Item No.	Page No.	Item No.	Page No.
15954	61	16022	63	17050	72	17341	74	18060	4
15955	61	16023	63	17051	72	17342	74	18061	5
15956	61	16024	63	17052	72	17343	74	18062	5
15957	61	16025	63	17053	72	17344	74	18063	5
15958	61	16026	63	17054	72	17400	75	18064	5
15959	61	16027	63	17055	72	17401	75	18065	5
15960	61	16028	63	17056	72	17402	75	18066	5
15961	61	16029	63	17057	72	17421	75	18081	5
15962	61	16030	63	17058	72	17422	75	18082	5
15963	61	16031	63	17059	72	18001	4	18083	5
15964	61	16032	63	17070	72	18002	4	18084	5
15965	61	16033	63	17071	72	18003	4	18085	5
15966	61	16034	63	17072	72	18004	4	18086	5
15967	61	16035	63	17073	72	18005	4	18088	5
15968	61	16036	63	17074	72	18006	4	18089	5
15969	61	16037	63	17100	73	18007	4	18095	4
15970	61	16038	63	17101	73	18008	4	18221	8
15971	61	16039	63	17102	73	18009	4	18222	8
15972	61	16040	63	17103	73	18010	4	18231	8
15973	61	16041	63	17104	73	18011	4	18301	3
15974	61	16042	63	17105	73	18012	4	18302	3
15975	61	16043	63	17106	73	18013	4	18303	3
15976	61	16044	63	17107	73	18014	4	18304	3
15977	61	16045	63	17108	73	18015	4	18305	3
15978	61	16046	63	17109	73	18016	4	18306	3
15979	61	16047	63	17110	73	18017	4	18307	3
15980	61	16048	63	17111	73	18018	4	18308	3
15981	61	16049	63	17112	73	18019	4	18309	3
15982	61	16050	63	17113	73	18021	5	18310	3
15983	61	16051	63	17131	73	18022	30	18311	3
15984	62	16052	63	17132	73	18023	2	18312	3
15985	62	16053	63	17133	73	18024	2	18313	3
15986	62	16054	63	17134	73	18025	2	18314	3
15987	62	16055	63	17135	73	18026	2	18315	3
15988	62	16056	63	17136	73	18027	2	18316	3
15989	62	16401	78	17137	73	18028	2	18317	4
15990	62	16402	78	17138	73	18029	2	18318	4
15991	62	16403	78	17139	73	18030	2	18319	4
15992	62	16404	78	17140	73	18031	2	18622	9
15993	62	16405	78	17141	73	18032	2	18628	9
15994	62	16406	78	17142	73	18033	2	18632	9
15995	62	16407	78	17143	73	18034	2	18633	9
15996	62	16408	78	17201	73	18035	2	18634	9
15997	62	16409	78	17202	73	18037	3	18635	9
15998	62	16410	78	17203	73	18038	3	18636	9
15999	62	16411	78	17204	73	18040	2	18637	9
16000	62	16412	78	17205	73	18041	1	18638	9
16001	62	16414	78	17220	74	18041B	1	18639	9
16002	62	16418	78	17221	74	18042	1	18640	9
16003	62	17000	73	17222	74	18042B	1	18641	9
16004	62	17001	73	17223	74	18043	1	18642	9
16005	62	17002	73	17224	74	18043B	1	18643	9
16006	62	17003	73	17225	74	18044	1	18644	9
16007	62	17004	73	17301	74	18044B	1	18650	10
16008	62	17005	73	17302	74	18045	1	18651	10
16009	62	17006	73	17303	74	18045B	1	18652	10
16010	62	17007	73	17304	74	18046	1	18655	10
16011	62	17008	73	17315	74	18046B	1	18656	10
16012	62	17020	72	17316	74	18046S	1	18657	10
16013	62	17041	72	17317	74	18047	1	18901	5
16014	62	17042	72	17318	74	18047B	1	18902	5
16015	62	17043	72	17319	74	18048	1	18903	5
16016	62	17044	72	17320	74	18048B	1	18904	6
16017	63	17045	72	17321	74	18048S	1	18905	6
16018	63	17046	72	17322	74	18049S	1	18906	6
16019	63	17047	72	17335	74	18050	1	18907	6
16020	63	17048	72	17339	74	18050B	1	18908	6
16021	63	17049	72	17340	74	18050S	1	18909	6

Item No.	Page No.	Item No.	Page No.	Item No.	Page No.	Item No.	Page No.	Item No.	Page No.
18910	6	22303	19	22343WC	17	22504	13	24071	13
18911	7	22304	19	22343WCK	17	22505	13	24072	13
18912	7	22305	19	22344B	17	22506	13	25801	119
18913	7	22306	19	22344BC	17	22507	13	25802	119
18914	7	22307	19	22344BCK	17	22900	52, 120	25803	119
18915	7	22308	19	22344W	17	22901	52, 120	25804	119
18916	7	22309	19	22344WC	17	22902	52, 120	25807	119
18917	7	22310	19	22344WCK	17	22910	47	25808	119
18918	6	22311	19	22345B	17	22911	47	25809	119
18919	7	22312	19	22345BC	17	22912	47	25811	119
18920	7	22313	19	22345BCK	17	22913	47	25812	119
18921	7	22314	19	22345W	17	22914	47	25813	119
18922	7	22315	19	22345WC	17	23003	118	25814	119
18923	6	22316	19	22345WCK	17	23005	118	25815	119
18924	6	22317	19	22346	18	23007	118	25816	119
18925	6	22318	19	22346B	17	23009	118	25817	119
18926	6	22323B	16	22346BC	17	23011	118	25818	119
18927	6	22323BC	16	22346BCK	17	23013	118	25823	120
21001	10	22323BCK	16	22346W	17	23015	118	25824	120
21010	9	22323BS	16	22346WC	17	23017	118	25825	120
21011	9	22323BSC	16	22346WCK	17	23019	118	25826	120
21012	9	22323BSCK	16	22347	18	23020	118	25827	120
21013	9	22323W	16	22348	18	23030	119	25828	120
21014	9	22323WC	16	22349	18	23032	119	25829	120
21015	9	22323WCK	16	22350	18	23034	119	25830	120
21110	10	22323WS	16	22351	20	23036	119	25831	120
21111	10	22323WSC	16	22352	20	23038	119	25832	120
21112	10	22323WSCK	16	22353	20	24001	11	25840	119
21113	10	22324B	16	22354	20	24002	11	25841	119
21114	10	22324BC	16	22355	20	24003	11	25842	119
21115	10	22324BCK	16	22356	20	24004	11	25850	120
21116	10	22324BS	16	22357	20	24005	11	25851	120
21117	10	22324BSC	16	22358	20	24006	11	25852	120
21118	10	22324BSCK	16	22359	20	24021	11	25853	120
22101	14	22324W	16	22360	20	24022	11	25854	120
22102	14	22324WC	16	22361	20	24023	11	25855	120
22103	14	22324WCK	16	22362	20	24024	11	27000	115
22104	14	22324WS	16	22363	20	24025	11	27005	115
22105	14	22324WSC	16	22364	20	24026	11	27010	115
22106	14	22324WSCK	16	22365	20	24031	12	27015	115
22110	14	22325B	16	22366	20	24032	12	27030	115
22111	14	22325BC	16	22367	20	24033	12	27032	115
22112	14	22325BCK	16	22368	20	24034	12	27034	115
22113	14	22325BS	16	22369	20	24035	12	27036	115
22114	14	22325BSC	16	22370	20	24036	12	27048	115
22120	14	22325BSCK	16	22374	21	24037	12	27049	115
22121	14	22325W	16	22375	21	24038	12	27050	115
22126	14	22325WC	16	22376	21	24039	12	27055	115
22127	14	22325WCK	16	22377	21	24041	12	27058	115
22128	14	22325WCK	16	22378	21	24042	12	27059	115
22129	14	22325WCK	16	22380	21	24043	12	27060	115
22130	14	22325WS	16	22383B	18	24044	12	27061	115
22152	15	22325WSC	16	22383W	18	24051	12	27070	115
22153	15	22325WSCK	16	22383BK	18	24052	12	27075	115
22154	15	22326B	17	22383WK	18	24055	12	27078	115
22155	15	22326BC	17	22384B	18	24056	12	27079	115
22156	15	22326BCK	17	22384W	18	24057	12	27080	115
22157	15	22326BS	17	22384BK	18	24058	12	27081	115
22158	15	22326BSC	17	22384WK	18	24059	12	27084	116
22159	15	22326BSCK	17	22389	21	24062	13	27085	116
22160	15	22326W	17	22390	20	24063	13	27086	116
22161	15	22326WS	16	22391	20	24064	13	27087	116
22162	15	22326WSC	17	22392	20	24065	13	27092	116
22165	15	22326WSCK	17	22393	20	24066	13	27093	116
22166	15	22343B	17	22394	20	24067	13	27094	116
22167	15	22343BC	17	22501	13	24068	13	27095	116
22301	19	22343BCK	17	22502	13	24069	13	27105	116
22302	19	22343W	17	22503	13	24070	13	27110	116

Item No.	Page No.	Item No.	Page No.	Item No.	Page No.	Item No.	Page No.	Item No.	Page No.
27115	116	32034	120	32257	42	34512	47	34610	48
27120	116	32035	120	32258	41	34513	47	34611	48
27130	116	32036	120	33001	34	34514	47	34612	49
27132	116	32041	121	33003	34	34515	47	34613	49
27134	116	32042	121	33005	35	34516	47	34614	49
27136	116	32043	121	33007	35	34517	47	34615	49
27185	116	32045	121	33009	35	34518	47	34616	49
27190	116	32046	121	33011	35	34519	47	34617	49
27195	116	32047	121	33015	35	34520	47	34618	45
27200	116	32051	121	33017	35	34521	47	34619	45
27215	117	32052	121	33019	35	34522	47	34620	45
27220	117	32053	121	33025	36	34531	44	34621	45
27222	117	32201	41	33027	36	34532	44	34622	45
27224	117	32202	41	34001	45	34534	44	34623	45
27226	117	32203	41	34002	45	34535	44	34624	45
27230	117	32204	41	34003	46	34536	44	34625	45
27231	117	32205	41	34004	46	34537	44	34626	45
27232	117	32206	41	34005	46	34538	44	34627	45
27233	117	32207	41	34006	46	34539	44	34628	45
27240	117	32208	41	34007	46	34540	44	34629	45
27241	117	32209	41	34111	46	34541	44	34630	45
27242	117	32210	41	34112	46	34542	44	34631	44
27243	117	32211	41	34113	46	34543	46	34632	44
28000	117	32212	41	34114	46	34544	46	34633	44
28005	117	32213	41	34115	46	34545	46	34634	44
28010	117	32214	41	34116	46	34546	46	34635	44
28015	117	32215	41	34117	46	34547	46	34636	44
28030	118	32216	41	34118	46	34548	46	34637	44
28035	118	32217	41	34121	47	34549	46	34638	44
28040	118	32218	42	34122	47	34550	46	34639	44
28045	118	32219	42	34123	47	34551	46	34640	44
28100	118	32220	42	34124	47	34552	47	34645	49
28105	118	32221	42	34125	47	34553	47	34646	49
28110	118	32222	42	34126	47	34554	47	34647	49
28115	118	32223	42	34127	47	34555	47	34648	49
28130	118	32224	42	34128	47	34556	47	34649	49
28135	118	32225	42	34129	47	34557	47	34650	49
28140	118	32226	42	34130	47	34558	47	34651	49
28145	118	32227	42	34131	47	34559	47	34652	49
28230	118	32228	42	34132	47	34560	47	34653	49
28235	118	32229	42	34133	47	34561	47	34654	49
28240	118	32230	42	34141	46	34562	48	34655	49
28245	118	32231	42	34142	46	34563	48	34656	49
32001	25	32232	42	34143	46	34564	48	34657	49
32002	25	32233	42	34144	46	34565	48	34658	49
32003	25, 120	32234	42	34145	46	34566	48	34659	45
32004	25, 120	32235	42	34146	46	34567	48	34660	45
32005	25, 120	32236	42	34147	46	34568	48	34661	45
32006	120	32237	42	34148	46	34569	48	34662	45
32007	120	32238	42	34149	46	34570	48	34663	45
32008	120	32239	42	34155	46	34571	48	34664	45
32011	25	32240	42	34156	46	34572	48	34665	45
32012	25	32241	42	34157	46	34573	48	34666	45
32013	25	32242	42	34158	46	34574	48	34667	45
32014	25	32243	42	34171	45	34575	48	34668	45
32015	25	32244	42	34172	45	34576	48	34669	45
32016	25	32245	42	34173	45	34577	48	34670	45
32017	25	32246	42	34174	45	34578	48	34671	45
32020	26	32247	42	34175	45	34579	48	34672	45
32021	26	32248	42	34181	45	34601	48	34673	45
32022	26	32249	42	34501	47	34602	48	34674	45
32023	26	32250	42	34502	47	34603	48	34675	45
32024	26	32251	42	34503	47	34604	48	34676	45
32025	26	32252	42	34504	47	34605	48	34677	49
32026	47	32253	42	34505	47	34606	48	34678	49
32031	120	32254	42	34506	47	34607	48	34679	49
32032	120	32255	42	34507	47	34608	48	34680	49
32033	120	32256	42	34511	47	34609	48	34681	49

Item No.	Page No.	Item No.	Page No.	Item No.	Page No.	Item No.	Page No.	Item No.	Page No.
34682	49	34756	50	35010	121	37022	30	41150	90
34683	44	34757	50	35011	121	37023	30	41151	90
34684	44	34758	50	35012	121	37030	31	41152	90
34685	44	34759	50	35013	122	37031	31	41153	90
34686	44	34760	50	35014	122	37032	31	41154	90
34687	44	34761	50	35015	122	37033	31	41155	90
34688	44	34762	50	35016	122	37034	31	41156	90
34689	44	34763	50	35017	122	38000	31	41201	106
34690	44	34764	50	35018	122	38030	31	41203	106
34691	44	34765	50	35019	122	41001	55	41205	106
34692	44	34766	50	35020	122	41011	57	41207	106
34693	44	34767	50	35021	122	41012	57	41209	106
34694	44	34768	50	35022	122	41013	57	41211	106
34695	44	34769	50	35023	122	41014	57	41213	106
34696	44	34770	50	35024	122	41015	57	41215	106
34697	49	34771	50	35025	122	41016	57	41217	106
34698	49	34772	50	35026	122	41017	57	41219	106
34699	49	34773	50	35027	122	41018	57	41221	106
34700	49	34774	50	35028	122	41019	57	41225	106
34701	49	34775	50	36001	39	41020	57	41227	106
34705	49	34776	50	36001R	39	41021	57	41229	106
34706	49	34777	50	36101	81	41101	105	41231	106
34707	49	34778	50	36102	81	41102	105	41235	106
34708	49	34779	50	36103	81	41103	105	41237	106
34709	49	34780	50	36104	81	41104	105	41239	106
34710	49	34781	50	36105	83	41105	105	41241	106
34711	49	34782	52	36106	83	41108	105	41246	106
34712	49	34783	52	36107	81	41109	105	41247	106
34713	49	34784	52	36108	81	41110	105	41248	106
34714	49	34785	52	36109	81	41111	89	41249	106
34715	49	34786	52	36110	81	41112	89	41401	93
34716	49	34787	50	36111	81	41113	89	41402	93
34717	49	34788	50	36112	81	41114	89	41501	75
34718	49	34789	50	36113	82	41115	89	41502	75
34719	49	34790	50	36114	82	41116	89	41522	76
34720	49	34801	51	36115	82	41117	89	41523	76
34721	49	34802	51	36116	82	41118	89	41524	76
34722	49	34803	51	36117	82	41119	89	41525	76
34723	49	34804	51	36118	82	41120	89	41526	76
34724	49	34805	51	36119	82	41121	89	41527	76
34725	49	34806	51	36120	82	41122	89	41528	76
34726	49	34807	51	36121	83	41123	89	41530	76
34730	50	34809	52	36125	82	41124	89	41532	76
34731	50	34810	51	36402	85	41125	89	41533	76
34732	50	34811	51	36403	85	41126	89	41534	76
34733	50	34812	51	36404	85	41127	89	41535	76
34734	50	34813	51	36405	85	41128	89	41536	76
34735	50	34814	51	36406	85	41129	89	41537	76
34736	50	34815	51	36407	84	41130	89	41538	76
34737	50	34816	51	36408	84	41131	89	41540	76
34738	50	34817	51	36409	84	41132	89	41701	99
34739	50	34818	51	36410	84	41133	89	41702	99
34740	50	34819	51	36411	84	41134	89	41703	99
34741	50	34820	51	36412	84	41135	89	41704	99
34742	50	34821	52	36413	84	41136	89	41705	99
34743	50	34822	51	36414	84	41137	89	41706	99
34744	50	34823	51	36415	84	41138	89	41707	100
34745	50	34824	52	37001	30	41139	89	41709	100
34746	50	34825	52	37002	30	41140	89	41711	100
34747	50	35001	121	37003	30	41141	89	41712	100
34748	50	35002	121	37004	30	41142	89	42500	91
34749	50	35003	121	37012	30	41143	89	42501	91
34750	50	35004	121	37013	30	41144	89	42502	91
34751	50	35005	121	37015	30	41145	89	42503	91
34752	50	35006	121	37016	30	41146	90	42504	91
34753	50	35007	121	37018	30	41147	90	42505G	90
34754	50	35008	121	37019	30	41148	90	42507	102
34755	50	35009	121	37020	30	41149	90	42508	102

Item No.	Page No.	Item No.	Page No.	Item No.	Page No.	Item No.	Page No.	Item No.	Page No.
42509	102	42585	102	42834	97	42941	97	64524	88
42510	102	42586	102	42835	97	42942	97	64525	88
42511	103	42587	102	42836	97	42943	97	64526	88
42512	103	42588	102	42837	97	42944	97	64527	88
42513	104	42590	102	42838	97	42945	97	64528	88
42514	104	42591	102	42839	97	42946	97	64529	88
42515	104	42592	102	42840	97	42947	97	64530	88
42516	95	42593	102	42841	97	42948	97	64531	88
42517	95	42595	102	42842	97	42949	97	64540	88
42518	95	42596	102	42843	97	42950	97	65001	84
42519	95	42601	103	42844	97	42951	97	65002	85
42520	95	42602	103	42845	97	43002	75	65003	85
42521	95	42603	103	42846	97	43004	75	65004	85
42522	96	42605	103	42847	97	43006	75	65005	85
42523	95	42606	103	42848	97	43008	75	65006	85
42524	95	42610	103	42849	97	43010	75	65007	85
42525	95	42611	103	42850	97	43011	75	65008	85
42526	95	42615	103	42851	97	43012	75	65009	85
42527	95	42616	103	42852	97	44001	64	65010	85
42528	96	42617	103	42853	97	44002	64	65011	85
42529	96	42620	11	42854	97	44011	64	65012	85
42530	96	42621	11	42855	97	44012	64	65013	85
42531	90	42622	11	42856	97	44013	64	65014	85
42532	91	42623	11	42857	97	44014	64	65015	85
42533	91	42624	11	42858	97	44015	64	65020	83
42534	91	42625	11	42859	97	44016	64	65021	83
42535	91	42640	11	42860	97	44021	64	65022	84
42536	86	42642	11	42861	97	44022	64	65031	85
42537	86	42644	11	42901	97	44023	64	65032	85
42538	92	42650	8	42902	97	44031	64	65033	85
42539	92	42651	8	42903	97	44032	64	80101	92
42540	83	42652	8	42904	97	44033	64	80121	92
42541	83	42654	8	42905	97	44034	64	80131	94
42542	90	42655	8	42906	97	44035	64	80141	92
42543	98	42658	8	42907	97	44036	64	80142	92
42544	98	42801	97	42908	97	44040	64	80143	92
42545	92	42802	97	42909	97	44101	57	80144	92
42546	92	42803	97	42910	97	44102	57	80145	92
42547	92	42804	97	42911	97	44103	57	80146	92
42548	92	42805	97	42912	97	44104	57	80147	93
42549	92	42806	97	42913	97	44105	57	80148	93
42550	10	42807	97	42914	97	44106	57	80149	93
42551	90	42808	97	42915	97	44501	54	80160	93
42552	90	42809	97	42916	97	44502	54	80501	93
42553	90	42810	97	42917	97	44503	54	80506	93
42554	91	42811	97	42918	97	44521	54	80516	93
42555	91	42812	97	42919	97	44522	54	80517	93
42556	92	42813	97	42920	97	50201B	78	80518	93
42557	92	42814	97	42921	97	50240A	78	80521	94
42558	96	42815	97	42922	97	50240B	78	80522	94
42559	104	42816	97	42923	97	50240C	78	80523	94
42560	91	42817	97	42924	97	50241A	78	80525	94
42561	91	42818	97	42925	97	62001	86	81001	94
42562	95	42819	97	42926	97	62010	86	81002	94
42563	95	42820	97	42927	97	62011	86	81003	94
42564	95	42821	97	42928	97	62030	86	81004	94
42565	95	42822	97	42929	97	62035	86	81020	94
42566	95	42823	97	42930	97	62036	87	81021	94
42567	95	42824	97	42931	97	64501	87	81022	94
42568	95	42825	97	42932	97	64505	87	81023	94
42569	95	42826	97	42933	97	64506	87	81024	94
42570	95	42827	97	42934	97	64507	87	81025	94
42571	95	42828	97	42935	97	64508	87	83101	105
42580	102	42829	97	42936	97	64509	87	83102	105
42581	102	42830	97	42937	97	64510	87	83103	105
42582	102	42831	97	42938	97	64520	87	83104	105
42583	102	42832	97	42939	97	64522	88	83105	105
42584	102	42833	97	42940	97	64523	88	83106	105

Item No.	Page No.	Item No.	Page No.	Item No.	Page No.	Item No.	Page No.	Item No.	Page No.
83107	105	90001	52, 110	91604-12	102	A112420RF	23	DP360240	59
83109	105	90002	52, 110	91604-2	102	A112424RF	23	DP360277	59
83111	105	90003	52, 110	91604-500	102	A113020RF	23	DP375120	59
83113	105	90004	52, 110	91604-50K	102	A131406	23	DP37524	59
83114	105	90005	52, 110	91604-6K	102	A131408	23	DP375240	59
83122	105	90006	52, 110	91605	102	A132006	23	DP375277	59
83126	105	90007	52, 110	A021004	21	A132008	23	DP390120	59
83127	105	90008	52, 110	A021006	21	A132406	23	DP39024	59
83129	105	90031	110	A021204	21	A132408	23	DP390240	59
83130	107	90032	110	A021206	21	A133006	23	DP430120	59
83131	107	90033	110	A021406	21	A133008	23	DP43024	59
83132	107	90034	110	A021408	21	C0101	123	DP430240	59
83133	107	90035	110	A030604	22	C0102	123	DP430277	59
83134	107	90036	110	A030606	22	C0105	123	DP440120	59
83135	107	90041	110	A030804	22	C0106	123	DP44024	59
83150	107	90042	110	A030806	22	C0210	124	DP440277	59
83201	107	90043	110	A030808	22	C0211	124		
83202	107	90044	110	A031004	22	C0212	124		
83203	107	91001	109	A031006	22	C0213	124		
83204	107	91002	109	A031008	22	C0214	124		
83211	107	91101	111	A031010	22	C0215	124		
83221	107	91102	111	A031204	22	C0301	124		
83222	107	91111	110	A031206	22	C0311	124		
83301	107	91112	110	A031208	22	C0401	124		
83302	108	91113	110	A031210	22	C1001	124		
84001	100	91114	110	A031212	22	C1003	124		
84002	100	91115	110	A031404	22	DP1525120	58		
84004	100	91116	110	A031406	22	DP152524	58		
84016	100	91121	110	A031408	22	DP1525240	58		
84018	100	91122	110	A031410	22	DP1530120	58		
84022	101	91123	110	A031412	22	DP153024	58		
84024	101	91124	110	A031414	22	DP1530240	58		
84026	101	91125	110	A031606	22	DP1540120	58		
84032	101	91126	110	A031608	22	DP154024	58		
84060	101	91127	110	A031610	22	DP1540240	58		
84061	101	91141	111	A031806	22	DP220120	58		
84062	101	91142	111	A031808	22	DP22024	58		
84063	101	91143	111	A031812	22	DP220240	58		
84064	101	91144	111	A032004	22	DP225120	58		
84069	102	91151	111	A032006	22	DP22524	58		
84070	101	91152	111	A032008	22	DP225240	58		
84071	101	91155	111	A032406	22	DP225277	58		
84072	101	91156	111	A032408	22	DP230120	58		
84500	96	91157	111	A040804	21	DP23024	58		
84501	96	91161	111	A041006	21	DP230240	58		
86001	98	91162	111	A041206	21	DP240120	58		
86002	98	91163	111	A041406	21	DP24024	58		
86003	98	91501	113	A070410	22	DP240240	58		
86004	98	91502	113	A070412	22	DP325120	59		
86010	98	91503	113	A070610	22	DP32524	59		
86011	98	91504	113	A070612	22	DP325240	59		
86012	98	91601-10	102	A080410	22	DP325480	59		
86020	98	91601-12	102	A080412	22	DP330120	59		
86021	98	91601-2	102	A080610	22	DP33024	59		
86022	98	91601-50K	102	A080612	22	DP330240	59		
86024	98	91601-6K	102	A111006	23	DP330277	59		
86025	98	91602-10	102	A111010	23	DP330480	59		
86040	99	91602-12	102	A111206	23	DP340120	59		
86041	99	91602-2	102	A111212	23	DP34024	59		
86042	99	91602-500	102	A111406	23	DP340240	59		
86043	99	91602-50K	102	A111408	23	DP340277	59		
87002	104	91602-6K	102	A111414	23	DP340480	59		
87003	104	91603-10	102	A111616	23	DP350120	59		
87005	104	91603-12	102	A111818	23	DP35024	59		
87006	104	91603-2	102	A111824RF	23	DP350240	59		
87030	104	91603-50K	102	A112020	23	DP350277	59		
87033	104	91603-6K	102	A112020RF	23	DP360120	59		
87035	104	91604-10	102	A112024RF	23	DP36024	59		