

ABOUT LUKJAN

Lukjan Metal Products has been manufacturing and selling high quality sheet metal pipe, duct and fittings to the Wholesale HVAC Industry since 1964. Lukjan has two manufacturing facilities: its flagship 330,000 square foot plant in Conneaut, Ohio and its newer addition, a 250,000 square foot production facility in Kings Mountain, NC. Together, Lukjan is able to service HVAC Wholesalers in over twenty states. Lukjan remains a family owned and operated business following these guiding principles established by its founders, Anatol and Natalia Lukjanczuk:

Provide the best quality product at competitive prices backed by exceptional customer service. These same principles live on today in all aspects of our business under the leadership of Dan Lukjanczuk and Elena Lukjanczuk-Kelly.



ORDERING/SCHEDULING

Customers can place orders via fax, email, phone, or via EDI. Orders are typically filled within 5-10 business days. Please inquire regarding regular delivery schedules.

FREIGHT ALLOWANCE

Freight allowance is determined based on delivery frequency, order volume, product mix and location. Please contact Lukjan customer service or your sales representative for information regarding freight allowance for your account.

BOX QUANTITIES/CATALOG PRICING

Please contact Lukjan customer service or our website www.Lukjan.com for a complete listing of all Lukjan product codes, product list prices and box quantities. Ordering full box quantities helps us provide you the most competitive prices and facilitates product handling.

DAMAGED GOODS

Product received in damaged condition can be returned for full credit. Customers have up to 5 days from the product delivery date to contact customer service and arrange for an RMA (Return Memo Authorization) and schedule pick-up of defective material. Credit will be issued upon inventory of returned goods.

RETURNS AND RESTOCKING

Lukjan will, at its discretion, accept returns for credit provided the product is in resalable condition and is a standard part. Custom made metal products will not be accepted. All returns are subject to a minimum **20%** restocking and handling fee. Some restock charges may be higher depending on the specific product volume.

METAL SHIPPING RACKS

Lukjan utilizes both 4' and 8' metal shipping racks for high volume duct and pipe purchases. A summary of our rack policy is as follows:

1. Racks are provided as a "free" service to our wholesalers/distributors for the handling and storage of Lukjan product.
2. Racks NOT returned within a reasonable timeframe will be invoiced to the wholesaler/distributor of record.
3. Racks sent to customer sites are the responsibility of the wholesaler/distributor of record.
4. Direct ship racks are invoiced to the wholesaler/distributor of record on shipment.
5. Racks are currently valued at **\$150.00** (4') and **\$250.00** (8') and may change based on prevailing replacement costs.

Customers are asked to contact Lukjan customer service to arrange pick-up when racks are cleared. Customers are asked to neatly stack cleared racks and provide safe and easy access for Lukjan drivers.

ELECTRONIC DATA INTERCHANGE (EDI)

Lukjan utilizes EDI for ordering, acknowledgement and invoicing. Any customer interested in utilizing EDI can contact our customer service team or their Lukjan sales representative.

ELECTRONIC INFORMATION

Lukjan asks, as a business courtesy, that any electronic data provided by Lukjan to its customers (pricing, product specifications, etc.) be managed in a confidential manner.

DISCOUNTS/TERMS

Please inquire regarding discount programs for early payments.

PACKING SLIP/INVOICE

Items on Lukjan Packing Slips and Invoices match the sequential order of the customer purchase order and if requested, can include the customer part number providing easy product receiving and billing reconciliation.

PRODUCT IDENTIFICATION

Lukjan provides box labeling that includes a product bar code, product description, customer name/address, customer PO#, order date, customer part number and PO sequence number.

PRODUCT CODES/PRICING

All items in the Lukjan Catalog are identified with the Lukjan Product Code (RB30) and it's older Catalog Code (L575). The Product Code is defined for each item to provide an accurate means to price and order product. A complete catalog price list of over 10,000 items is available on-line at www.lukjan.com.

Example:

RP05xxyyzzz RP050630060 6" 30GA
5' Round Pipe, Unboxed

Where: RP05 = Round Pipe, Unboxed
xx = 06 Pipe Diameter
yy = 30 Gauge
zzz = 060 Length

Discounted Catalog Multiplier = 0. _____

Effective Date: _____

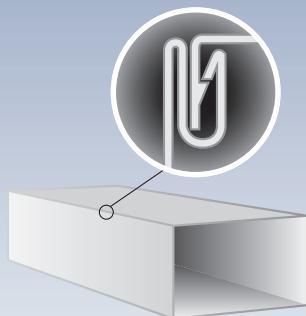
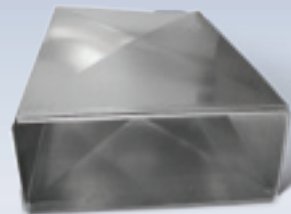
LUKJAN RESERVES THE RIGHT TO MAKE ADJUSTMENTS AND/OR CHANGES TO POLICIES, PRICES AND PRODUCT AVAILABILITY AT ITS DISCRETION WITHOUT NOTICE.

PRODUCT INDEX

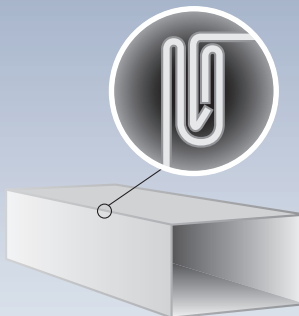
| DESCRIPTION | CODE | PG. | DESCRIPTION | CODE | PG. | DESCRIPTION | CODE | PG. | DESCRIPTION | CODE | PG. |
|----------------------------|------------|-----|--------------------------------|------------------|-----|------------------------------|------------------|-----|-------------------------------|--------------|-----|
| ADJ. ANGLE DB TAKEOFF | T095 | 12 | DUCTBOARD COLLAR W/DAMPER | DX38 | 12 | OVAL TO ROUND BOOT, ELBOW | OB75 | 16 | SPIRAL ECCENTRIC REDUCER | RX44 | 20 |
| ADJ. ELBOW DB TAKEOFF | T094 | 12 | ECONO DAMPER 1 HRD-A | RX35 | 15 | OVAL TO ROUND BOOT, END | OB71 | 16 | SPIRAL REGISTER SADDLE | RX65 | 20 |
| ADJUSTABLE ANGLE | RX50 | 9 | ECONO DAMPER 1 HRD-U | RX36 | 15 | OVAL TO ROUND BOOT, STRAIGHT | OB72 | 16 | SPIRAL REGISTER SADDLE W/ADH | RX64 | 20 |
| ADJUSTABLE DUCT HANGERS | DX20 | 22 | ECONO DAMPER 2 HRD-A | RX37 | 15 | OVAL TOE KICK BOOT | OB95 | 17 | SPIRAL SADDLE FLUE W/45 TO | RX60 | 20 |
| ADJUSTABLE ELBOW | RX53 | 9 | ECONO DAMPER 2 HRD-U | RX38 | 15 | OVAL TOP TAKEOFF | OX60 | 17 | SPIRAL SADDLE FLUE W/90° TO | RX61 | 20 |
| ADJUSTABLE ELBOW TAKEOFF | T093 | 10 | END CAPS | DX44 | 4 | OVAL TOP TAKEOFF, DUCTBOARD | OX62 | 17 | SQ-RD MOBILE HOME BOX | RB55-M | 6 |
| ALUMINUM ANGLE | AX50 | 24 | END CAPS, 2" EXT. | DX45 | 4 | OVAL VERTICAL ANGLE | OX52 | 16 | SQUARE ADHESIVE TAKEOFF | TA39 | 11 |
| ALUMINUM COLLAR | AX10, AX11 | 24 | FILTER FRAME BOX | CA74 | 6 | OVAL VERTICAL ELBOW | OX54 | 16 | SQUARE ADJ. ADHESIVE TAKEOFF | TA10 | 11 |
| ALUMINUM DRYER VENTS | AX74 | 22 | FILTER FRAME, WISE | CA72 | 6 | PIPE HANGER | DX14 | 22 | SQUARE ADJ. DUCTBOARD TAKEOFF | T014 | 12 |
| ALUMINUM ELBOW | AX53 | 24 | FILTER FRAMES (1" Filters) | CA20 | 6 | PLENUM CORNERS | PX20 | 7 | SQUARE ADJUSTABLE TAKEOFF | T010 | 10 |
| ALUMINUM FRESH AIR INTAKE | AX64 | 22 | FLARED TEES | RX70 | 14 | PLENUM RAIL | PX16 | 7 | SQUARE ADJUSTABLE TO, ROTH | T016 | 10 |
| ALUMINUM LONG COLLAR | AX12 | 24 | FLEX CONNECTOR | RX58 | 9 | PVC 45° SADDLE | VX62 | 21 | SQUARE CONICAL ADHESIVE TO | TA38 | 11 |
| ALUMINUM LONG RADIUS ELBOW | AX54 | 24 | FLEXIBLE DUCT CONNECTOR | DX36 | 5 | PVC 90° SADDLE | VX63 | 21 | SQUARE NON-ADJ. ADHESIVE TO | TA20 | 11 |
| ALUMINUM PIPE | AP01 | 24 | FLUE WYE | RX80 | 14 | PVC ANGLE | VX50 | 21 | SQUARE NON-ADJ. DB TAKEOFF | T018 | 12 |
| ALUMINUM RAIN CAP | AX28 | 24 | FURNACE BOX (OPEN TOP) | CA50 | 6 | PVC COATED STEEL SHEETS | VS01 | 26 | SQUARE SIDE DB TAKEOFF | T039 | 13 |
| ALUMINUM REDUCER | AX41 | 24 | FURNACE SUPPORT BOX | CA40 | 6 | PVC CONNECTOR | VX58 | 21 | SQUARE SIDE TAKEOFF | T038 | 10 |
| ALUMINUM SHEETS | AS01 | 26 | GALV. FRESH AIR INTAKES | CA64 | 22 | PVC ECCENTRIC REDUCER | VX44 | 21 | SQUARE TOP NON-ADJ. TAKEOFF | T050-52 | 10 |
| ALUMINUM TEE | AX70 | 24 | GALVANIZED CHIMNEY THIMBLE | RX05 | 26 | PVC ELBOW | VX53 | 21 | SQUARE-ROUND BOOT | RB55 | 6 |
| ALUMINUM TRIM COLLAR | AX09 | 24 | GALVANIZED DRAWBAND | RX01 | 26 | PVC END CAP | VX20 | 21 | STACK ADAPTER, ELBOW | SX81 | 19 |
| ANGLE STRIPS | DX18 | 22 | GALVANIZED DRYER VENTS | EX74 | 22 | PVC FLUE WYE | VX80 | 21 | STACK ADAPTER, STRAIGHT | SX80 | 19 |
| BASEMENT BOOT | RB45 | 8 | GALVANIZED RAIN CAP | RX28 | 26 | PVC PERIMETER BOOT | VB70 | 21 | STACK BOOT, ANGLE | SB40 | 18 |
| BLACK ANGLE | BX50 | 25 | GALVANIZED ROOF FLASHING | EX20 | 26 | PVC REGISTER BOOT, ELBOW | VB30 | 21 | STACK BOOT, ELBOW | SB30 | 18 |
| BLACK CAP | BX21, BX22 | 24 | GALVANIZED ROUND PIPE | RP01, RP05 | 5 | PVC REGISTER BOOT, END | VB01 | 21 | STACK BOOT, END | SB10 | 18 |
| BLACK CAP REDUCER | BX23, BX24 | 24 | GALVANIZED SPIRAL ANGLES | RX50 | 20 | PVC REGISTER BOOT, STRAIGHT | VB20 | 21 | STACK BOOT, STRAIGHT | SB20 | 18 |
| BLACK DRAWBAND | BX01 | 24 | GALVANIZED SPIRAL ELBOWS | RX53-GS | 20 | PVC REGISTER SADDLE | VX61 | 21 | STACKHEAD | SX75 | 19 |
| BLACK ELBOW | BX53 | 25 | GALVANIZED SPIRAL END CAPS | RX22 | 20 | PVC SHOE TAP | VX66 | 21 | STACKHEAD, DOUBLE | SX73 | 19 |
| BLACK PIPE | BP01 | 24 | GALVANIZED SPIRAL PIPE | GP01 | 20 | PVC SPIRAL PIPE | VP01 | 21 | STACKHEAD, LONG | SX72 | 19 |
| BLACK STEEL SHEETS | BS01 | 26 | GALVANIZED SPIRAL REDUCER | RX44 | 20 | PVC STARTING COLLAR | VX11 | 21 | STACKHEAD, LONG W/EARS | SX71 | 19 |
| BLACK TAPERED INCREASER | BX43 | 25 | GALVANIZED STEEL SHEETS | GS01 | 26 | PVC TEE | VX70 | 21 | STACKHEAD, OUT OF WALL | SX74 | 19 |
| BLACK TAPERED REDUCER | BX40, BX41 | 24 | GALVANIZED TRIM COLLAR | RX09 | 26 | PVC TOUCH-UP PAINT | VX90 | 21 | STACKHEAD, RETURN AIR | SX76 | 7 |
| BLACK TEE | BX70 | 25 | HIGH EFFICIENCY OFFSET TO | TA57 | 11 | QUICK-SEAL ROUND PIPE | RP06, RP07 | 5 | STACKHEAD, SHORT | SX70 | 19 |
| BLACK TRIM COLLAR | BX10 | 24 | HORIZONTAL (LONGWAY) ANGLE | DX27 | 4 | RANGE HOOD | SX86 | 26 | STAINLESS STEEL ADJ. ANGLE | NX50 | 25 |
| BOOT FRAME | RB70 | 8 | HORIZONTAL (LONGWAY) ELBOW | DX25 | 4 | RECTANGULAR DUCT | DT01, DT02, DT03 | 4 | STAINLESS STEEL ADJ. ELBOW | NX53 | 25 |
| BOOT RAIL | RB66 | 8 | INSUL. RETURN AIR BOX W/COLLAR | CA60 | 23 | RECTANGULAR DUCT DAMPERS | DX50 | 5 | STAINLESS STEEL CAP | NX21 | 25 |
| BRANCH WYE | RX81 | 14 | INSUL. STACKHEAD, RETURN AIR | SX76 | 23 | RECTANGULAR NON-ADJ. TAKEOFF | T020 | 10 | STAINLESS STEEL CONNECTOR | NX58 | 25 |
| BRANCH WYE, DOUBLE ADJ. | RX83 | 14 | INSULATED BOXES | DX46 | 23 | RECTANGULAR START COLLAR | DX33 | 4 | STAINLESS STEEL DRAWBAND | NX01 | 25 |
| BRANCH WYE, SINGLE ADJ. | RX82 | 14 | INSULATED CEILING BOX - ANGLE | RB65 | 23 | REDUCERETTE | DX79 | 5 | STAINLESS STEEL RAIN CAP | NX28 | 25 |
| BRIDGE SPEARS | RX95 | 22 | INSULATED CEILING BOX - SIDE | RB61 | 23 | REDUCING WYE | RX79 | 14 | STAINLESS STEEL SHEETS | NS01 | 26 |
| BUTTERFLY DAMPER | RX59 | 15 | INSULATED CEILING BOX - TOP | RB62 | 23 | REGISTER BOOT W/CRD | RB10, RB20, RB30 | 8 | STAINLESS STEEL START COLLAR | NX11 | 25 |
| CAP INCREASER | RX25 | 14 | INSULATED FURNACE BOX | CA50 | 23 | REGISTER BOOT, ANGLE | RB40 | 8 | STAINLESS STEEL TEE | NX70 | 25 |
| CAP REDUCER | RX23, RX24 | 14 | INSULATED FURNACE SUPPORT BOX | CA40 | 23 | REGISTER BOOT, ELBOW | RB30, RB31, RB32 | 8 | STAINLESS STEEL TRIM COLLAR | NX10 | 25 |
| CEILING BOOT SIDE | RB60 | 13 | INSULATED PLENUM TOPS | PX18 | 23 | REGISTER BOOT, END | RB10, RB11, RB12 | 8 | STAINLESS TAPERED REDUCER | NX41 | 25 |
| CEILING BOX ANGLE | RB65 | 13 | INSULATED PLENUMS (NO TOP) | PL11 | 23 | REGISTER BOOT, PERIMETER | RB43 | 8 | STANDING "S" CLEATS | DX13 | 4 |
| CEILING BOX SIDE | RB61 | 13 | INSULATED RECTANGULAR DUCT | DT01, DT02, DT03 | 23 | REGISTER BOOT, POOR BOY | RB20 | 8 | STARTER BASE | CA42 | 6 |
| CEILING BOX TOP | RB62 | 13 | JIMMY BOOT | SX96 | 19 | REGISTER BOOT, STRAIGHT | RB20, RB21, RB22 | 8 | STRAPPING COIL | DX16 | 22 |
| COLD AIR FRAMES | CA16 | 7 | JOIST BLOCKOFF | PX06 | 7 | REGISTER PAN | RB50 | 8 | SUPPORT BRACKETS | DX17 | 22 |
| COLD AIR GROUND | CA19 | 7 | JOIST HEAD | PX07 | 7 | RETURN AIR BOX - INSULATED | CA59 | 7 | SWIVEL TEES | RX71 | 14 |
| COLD AIR RETURN BOOTS | CA12 | 6 | JOIST HEADER PLATE | PX05 | 7 | RETURN AIR BOX - INSULATED | CA59 | 23 | TABLOC DB COLLAR W/DAMPER | DX39 | 12 |
| COLD AIR RETURN KITS | CA10 | 6 | JOIST PANNING SHEETS | PS40 | 7 | RETURN AIR BOX W/COLLAR | CA60 | 7 | TABLOC DUCTBOARD COLLAR | DX77 | 12 |
| CONICAL SPIN-IN TAKEOFF | DX69 | 10 | LONG CLINCH STARTING COLLAR | RX14 | 9 | RETURN AIR FRAME STRIPS | CA62 | 7 | TABLOC LONG STARTING COLLAR | RX12T, RX13T | 9 |
| CUSTOM SIZED PLENUMS | PL10 | 7 | LONG RADIUS ELBOW | RX54 | 9 | RETURN AIR PAN, NO COLLAR | CA58 | 7 | TAPERED INCREASER | RX43 | 14 |
| DAMPER CLIPS | HD05 | 15 | LONG ROTH STARTING COLLAR | RX16 | 9 | RETURN AIR PAN, NO COLLAR | CA58 | 23 | TAPERED REDUCER | RX40, RX41 | 14 |
| DAMPER DISK BLANKS | HD06 | 15 | LONG STARTING COLLAR | RX12, RX13 | 9 | ROUND ADHESIVE TAKEOFF | TA40 | 11 | THRU BOX | RB92 | 8 |
| DAMPER EXTENSION KITS | RX30 | 15 | LUKJAN PRODUCT CATALOG | LC01 | 26 | ROUND ADJ. ADHESIVE TAKEOFF | TA30 | 11 | TOE KICK BOOT W/COLLAR | RB95 | 8 |
| DAMPER HANDLES | HD04 | 15 | METAL DRAIN PANS | CA30 | 6 | ROUND ADJ. DB TAKEOFF | T031 | 12 | TOE KICK BOX | RB94 | 8 |
| DAMPER HARDWARE KITS | HD01 | 15 | NON-ADJ. DB TAKEOFF W/1" RISE | T054 | 12 | ROUND ADJ. TO, HALF-TAB | T033 | 10 | TOP SQ. ADHESIVE TAKEOFF | TA51 | 11 |
| DAMPER TUBES | RX39 | 15 | OFFSET STACK | SX94 | 19 | ROUND ADJUSTABLE TAKEOFF | T030 | 10 | TRANSITION | DX82 | 5 |
| DAMPER W/ 1 HARDWARE | RX31 | 15 | OFFSET START COLLAR | DX31 | 4 | ROUND BOOT FRAME | RB71 | 8 | TRIANGLE BOX | DX47 | 5 |
| DAMPER W/ 2 HARDWARE | RX32 | 15 | OLD STYLE TEES | RX75 | 14 | ROUND CONICAL ADHESIVE TO | TA60 | 11 | "U" CHANNELS | DX08 | 22 |
| DAMPER WASHERS | HD02 | 15 | OVAL ADAPTER | OX70 | 17 | ROUND END CAP | RX21, RX22 | 9 | UNIVERSAL PLENUM SIDE | PX14 | 7 |
| DAMPER WINGNUTS | HD03 | 15 | OVAL ADHESIVE TAKEOFF | OX40 | 17 | ROUND FLEX CONN | DX36R | 9 | UNIVERSAL PLENUM TOPS | PX18 | 7 |
| DB METAL BOOT FACE | CA75 | 13 | OVAL BOOT, ANGLE | OB40 | 17 | ROUND SADDLE ADHESIVE TO | TA09 | 11 | USER MANUAL HOLDER | CA90 | 7 |
| DB RECT. STARTING COLLAR | DX35 | 13 | OVAL BOOT, ELBOW | OB30 | 17 | ROUND SIDE TAKEOFF | T036 | 10 | VERTICAL (SHORTWAY) ANGLE | DX23 | 4 |
| DB TWIST-IN COLLAR | DX60 | 12 | OVAL BOOT, END | OB10 | 17 | ROUND SPIN-IN TAKEOFF | DX70 | 10 | VERTICAL (SHORTWAY) ELBOW | DX21 | 4 |
| DB TWIST-IN COLLAR w/SCOOP | DX62-65 | 12 | OVAL BOOT, STRAIGHT | OB20 | 17 | ROUND SPIN-IN TO W/SCOOP | DX72-75 | 10 | WALLSTACK, 2PC. SNAP LOCK | SK01 | 18 |
| DOUBLE DB TAKEOFF | T045 | 13 | OVAL CAP | OX21 | 17 | ROUND STAINLESS STEEL PIPE | NP01 | 25 | WALLSTACK HORIZONTAL ANGLE | SX27 | 18 |
| DOUBLE TAKEOFF | T040-42 | 10 | OVAL DUCTBOARD START COLLAR | OX76 | 17 | ROUND-STACK TRANSFORMER | T080 | 10 | WALLSTACK HORIZONTAL ELBOW | SX25 | 18 |
| DRIVE CLEATS | DX10 | 4 | OVAL FIRE STOP | OX90 | 17 | "S" CLEATS | DX12 | 4 | WALLSTACK REVERSE ELBOW | SX24 | 18 |
| DRYER WALL BOXES | EX30 | 22 | OVAL HORIZONTAL ANGLE | OX51 | 16 | SHOE TAP | RX66 | 20 | WALLSTACK SIDE TAKEOFF | SX42 | 18 |
| DUCT ADAPTER | DX80 | 5 | OVAL HORIZONTAL ELBOW | OX53 | 16 | SHORT STARTING COLLAR | RX10, RX11 | 9 | WALLSTACK STARTING COLLAR | SX33 | 18 |
| DUCT HANGER "L" STYLE | DX19 | 22 | OVAL PIPE | OP01 | 16 | SHORT START COLLAR W/RING | RX10R, RX11R | 9 | WALLSTACK TOP TAKEOFF | SX41 | 18 |
| DUCT HANGER "Z" STYLE | DX14 | 22 | OVAL STACKHEAD | OX10 | 17 | SOLID COIL BOX | PX22 | 7 | WALLSTACK VERTICAL ANGLE | SX23 | 18 |
| DUCT HANGER STRIPS | DX15 | 22 | OVAL STACKHEAD, DOUBLE | OX11 | 17 | SPIRAL CONNECTOR | RX58 | 20 | WALLSTACK VERTICAL ELBOW | SX21 | 18 |
| DUCT REDUCERS | DX41 | 5 | OVAL STACKHEAD, SPLIT | OX12 | 17 | | | | WELDED COND UNIT BRACKET | EX40 | 26 |
| DUCT SIZING CALCULATOR | LC02 | 26 | OVAL START COLLAR | OX63, OX64 | 17 | | | | | | |
| DUCTBOARD COLLAR | DX76 | 12 | OVAL TO OVAL REVERSE ELBOW | OB78 | 16 | | | | | | |
| DUCTBOARD COLLAR BOX | DX83 | 13 | | | | | | | | | |

DUCT AND DUCT FITTINGS

Fittings list DRIVE dimension first, SLIP second while Duct lists SLIP first and DRIVE second.



Button Lock



E-LOCK

BUTTONLOCK is our standard duct offering providing a strong, tight seam connection.

ELOCK offers the same strength and tight seal but eliminates the raw edge along the longitudinal male seam providing a smooth edge reducing potential worksite or warehouse injuries. The ELOCK also adds rigidity to the duct surface.

RACK QUANTITIES

| | 4 FT. & 5 FT. DUCT | | 8 FT. | |
|----|--------------------|------|-------|-----|
| | X 8 | X 10 | X 12 | X 8 |
| 8 | 180 | | | 180 |
| 10 | 150 | 90 | | 150 |
| 12 | 150 | 120 | 120 | 150 |
| 14 | 160 | 120 | 120 | 160 |
| 16 | 120 | 90 | 90 | 120 |
| 18 | 120 | 80 | 80 | 120 |
| 20 | 100 | 80 | 80 | 100 |
| 22 | 100 | 80 | 80 | 100 |
| 24 | 100 | 80 | 80 | 100 |
| 25 | 100 | 80 | | 100 |
| 26 | 100 | | | 100 |
| 28 | 80 | | | 80 |
| 30 | 80 | | | 80 |
| 32 | 80 | | | 80 |

RECTANGULAR DUCT

Seam Lock Options:

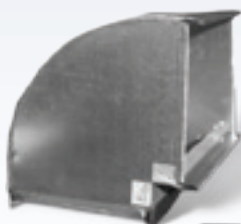
Buttonlock, E-LOCK and Slide Lock
Joint Connections: S&D or THOR

DT01_{xyyyzz} 26GA

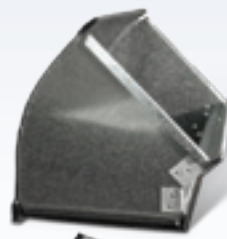
DT02_{xyyyzz} 28GA

DT03_{xyyyzz} 24GA

xx = 08-30 (Slip dimension)
yy = 08, 10, 12 (Drive dimension)
zz = 33, 36, 48, 60, 96 (Length)
Standard dimensions listed above.
Call for special sizes and prices.
Standard is Button Lock with S&D



SQUARE THROAT



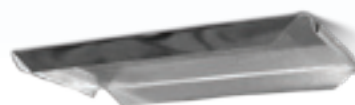
ROUND THROAT



END CAPS, 2" EXT.

DX45_{yyxx} (512)

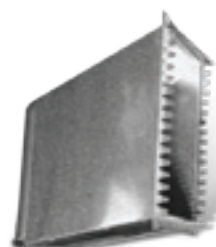
yy = 04-12 (Drive dimension)
xx = 08-32 (Slip dimension)



END CAPS

DX44_{yyxx} (512)

yy = 04-18 (Drive dimension)
xx = 08-30 (Slip dimension)



DRIVE CLEATS

DX10_{xxxxy}

xxx = 06-120 (Length)
yy = 28, 26, 24 (GA)



"S" CLEATS

DX12_{xxxxy}

xxx = 06-120 (Length)
yy = 28, 26, 24 (GA)



STANDING "S" CLEATS

DX13_{xyyyzz}

x = 1 (1" Hem) or 5 (5/8" Hem)
yyy = 60, 96, 120 (Length)
zz = 24 (GA, Blank = 26)

Example: DX135120 = 5/8" x 120" 26GA

VERTICAL (SHORTWAY) ELBOW

DX21_{yyxx} (307)

yy = 08, 10, 12, 14, 16, 20 (Drive dimension)
xx = 08-32 (Slip dimension)

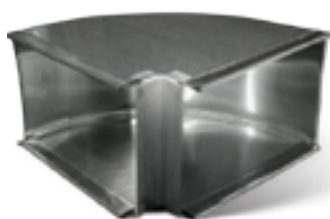
VERTICAL (SHORTWAY) ANGLE

DX23_{yyxx} (314)

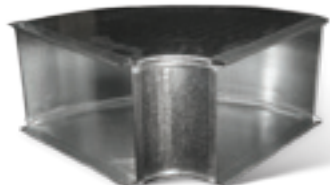
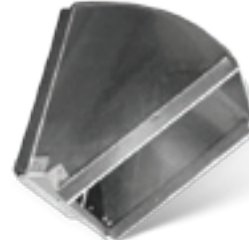
yy = 08, 10, 12, 14 (Drive dimension)
xx = 08-32 (Slip dimension)

Lukjan can install Turning Vanes on any duct fitting. Call for more info.

NEW!



SQUARE THROAT



ROUND THROAT



OFFSET START COLLAR

DX31_{yyxx} (519)

yy = 08, 10, 12 (Drive dimension)
xx = 08-32 (Slip dimension)
Standard offset 3"

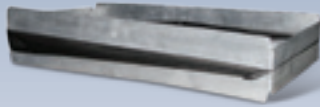


RECTANGULAR START COLLAR

DX33_{yyxx} (520)

yy = 04, 06, 08, 10, 12, 14, 15, 18 (Drive dimension)
xx = 08-32 (Slip dimension)

DUCT AND DUCT FITTINGS (CONT.)



FLEXIBLE DUCT CONNECTOR

DX36_{yyxx}

yy = 08-20 (Drive dimension)

xx = 08-24 (Slip dimension)

Isolates furnace vibration from duct system.



DUCT REDUCERS

DX41_{yyxxbbaa} (533)

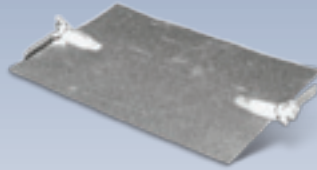
yy = 06-18 (Drive dimension, larger end)

xx = 08-30 (Slip dimension, larger end)

bb = 06-18 (Drive dimension, smaller)

aa = 08-28 (Slip dimension, smaller)

Options: C = Centerline reducer

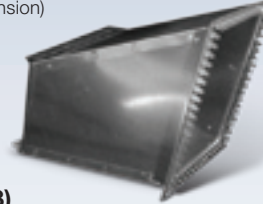


RECTANGULAR DUCT DAMPERS

DX50_{yyxx}

yy = 8, 10, 12 (Drive dimension)

xx = 08-50 (Slip dimension)



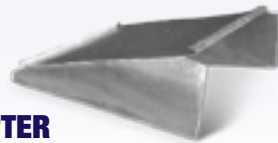
TRANSITION

DX82_{yyxx} (518)

xx = 08-38 (Slip dimension)

yy = 8, 10, 12 (Drive dimension)

Add "D" for Transition with Damper



DUCT ADAPTER

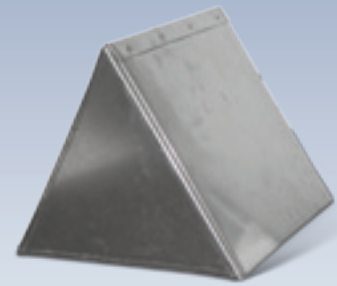
DX80_{aa} (534)

aa = 02, 04, 06, 08, 10, 12 (Duct reduction)

yy = 8, 10, 12 (Drive dimension)

Example: 24x8 to 18x8

Need 6" reduction on 8" Drive = DX800608



TRIANGLE BOX

DX47_{xxyyzzaa}

xx = 10-24 (Edge 1 dimension)

yy = 10-24 (Edge 2 dimension)

zz = 10-24 (Edge 3 dimension)

aa = 06-24 (Height)

Used in Flexduct distribution systems



REDUCERETTE

DX79_{aa}

aa = 02, 04, 06, 08, 10, 12 (Duct reduction)

yy = 8, 10, 12 (Drive dimension)

Example: 24x8 to 18x8

Need 6" reduction on 8" Drive = DX790608

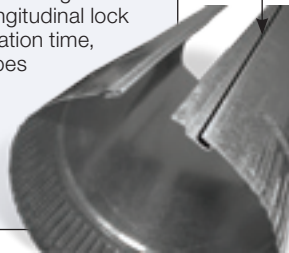
ROUND PIPE

| DIAM. | RACK QUANTITIES 5 FT. ROUND PIPE | |
|-------|-------------------------------------|-------|
| | UNBOXED | BOXED |
| 3 | 550 | |
| 4 | 630 | 480 |
| 5 | 480 | 350 |
| 6 | 350 | 250 |
| 7 | 240 | 160 |
| 8 | 200 | 150 |
| 9 | 160 | |
| 10 | 150 | |
| 12 | 120 | |
| 14 | 80 | |

All sizes 10/Bundle except 3" at 5/Bundle.
4"- 8" Sizes Boxed or Unboxed.
All Sizes over 8" Unboxed.
Beaded Pipe Available.
3" and 4" 10' section available assembled for extra charge.

New Quik-Seal pipe saves your customers time and money by eliminating the need to seal the longitudinal lock seam. Installation time, expensive tapes and mastic supplies are reduced providing a clean, high quality look.

UL Classified
Polymer-based
Sealant



QUIK-SEAL ROUND PIPE

NEW!

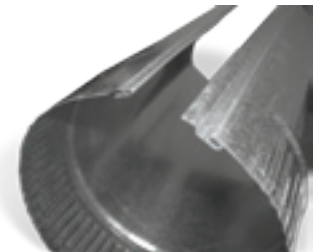
RP06_{xxxyzzz}

RP07_{xxxyzzz} (Unboxed 4" - 8")

xx = 04-16 (Diameter)

yy = 30, 26, 24 (GA)

zz = 036, 048, 060, 120 (Length)



GALVANIZED ROUND PIPE

RP01_{xxxyzzz}

RP05_{xxxyzzz} (Unboxed 4" - 8")

xx = 03-32 (Diameter)

yy = 31, 30, 28, 26, 24, 22 (GA)

zz = 012, 024, 036, 048, 060, 120 (Length)

Options: Buttonlock and Snaplock

Boxed in 4"-8", A = Assembled for 120" lengths (3 & 4" only)



Button Lock



Quik-Seal Button Lock

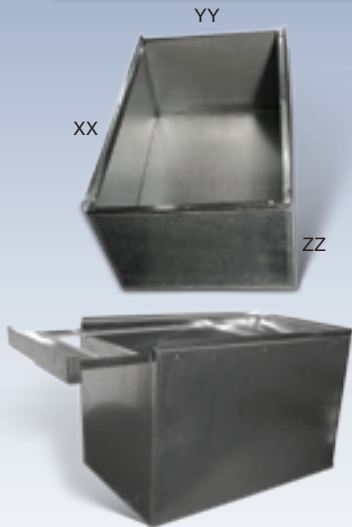


Snap Lock



Quik-Seal Snap Lock

| | GA | DIAMETER | LENGTH | LOCK TYPE |
|----------|----|------------|---------|------------|
| STANDARD | 30 | ALL | 2', 10' | BUTTONLOCK |
| | 30 | 3", 4", 5" | 5' | BUTTONLOCK |
| | 30 | 6" & ABOVE | 5' | SNAPLOCK |
| | 28 | ALL | 2' - 5' | SNAPLOCK |
| | 26 | ALL | 2' - 5' | SNAPLOCK |
| | 24 | ALL | 2' - 5' | SNAPLOCK |
| OPTIONAL | 30 | 6" & ABOVE | 5' | BUTTONLOCK |



FURNACE BOX (OPEN TOP)

CA50_{xyyyz}

xx = 14-40 (Box Depth)

yy = 14-28 (Box Width)

zz = 06-24 (Box Height)

Standard w/ 1/2" flange along opening edge

Options:

F = 1" Filter Slot, D = Snap on Door

ST = Sliding Filter Tray, H = Hinged Door

Insulated available, see page 22.

FURNACE SUPPORT BOX

CA40_{xyy}

Solid Style 12" High

CA40_{xyyyaabb}

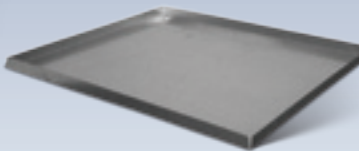
Cutout Style 10" High

xx = 18-48 (Overall Box Length)

yy = 17-30 (Overall Box Width)

aa = 24, 25 (Cutout Length)

bb = 08, 10, 12 (Cutout Width)



STARTER BASE

CA42_{xyy}

xx = 13-22 (Width)

yy = 20-30 (Length)



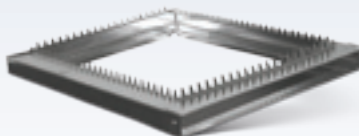
FILTER FRAME, WISE

CA72_{xyyyz}

xx = 14, 16, 20, 25 (Filter Height)

yy = 20, 24, 25, 30 (Filter Length)

z = 1, 3 (Filter Width)



FILTER FRAMES (1" FILTERS)

CA20_{xyyyz}

xx = 14, 16, 20, 25 (Filter Height)

yy = 20, 24, 25, 30 (Filter Length)

z = A, B, C, D (Style)

A (Teeth Flange one side, Plain Flng other)

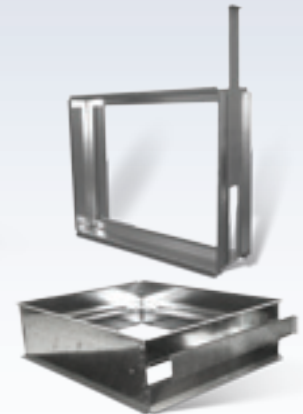
B (Teeth Flng one side, Flat other)

C (Plain Flng one side, Flat other)

D (Plain Flange both sides)

Options:

Slide on Door, Hinged Door



FILTER FRAME BOX

CA74_{xyyyz}

xx = 14-25 (Filter Height)

yy = 20-25 (Filter Length)

z = 1, 3, 5, 6, 7 (Filter Width)

Hemmed both faces standard.

Options: SL=Sliding Door, H=Hinged

METAL DRAIN PANS

CA30_{xyyyz}

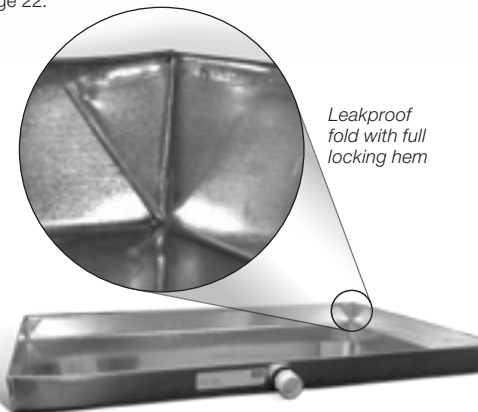
xx = 20-38 (Width)

yy = 24-80 (Length)

zz = 26, 24 (GA)

Standard w/one drain plug on long side

NEW!



Leakproof fold with full locking hem



SQUARE-ROUND BOOT

RB55_{xyyyz} (573)

xx = 03-21 (Width)

yy = 06-30 (Depth)

zz = 04-24 (Round Takeoff Diameter)

Options: Flange Out, RAW, Offset Design



SQ-RD MOBILE HOME BOX

Same as SQ-RD BOOT but with filter ledge on inside

RB55_{xyyyz}M (573M)

xx = 03-21 (Width)

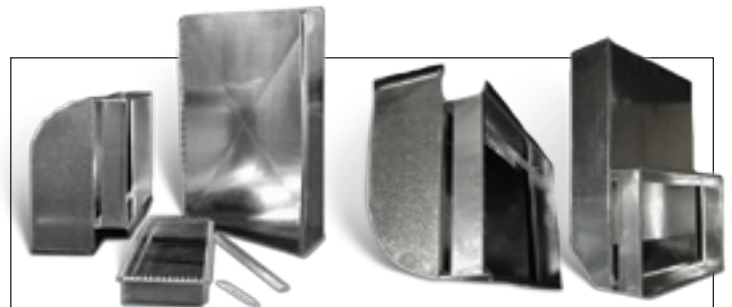
yy = 06-30 (Depth)

zz = 04-24 (Round Takeoff Diameter)

Options: Flange Out, RAW

Mobile Home Kits available and include filter, grill and butterfly damper

NEW!



COLD AIR RETURN KITS

CA10_{xyyyaabb}

xx = Furnace cutout larger

yy = Furnace cutout smaller

aa = CA Drop Slip dimension

bb = CA Drop Drive dimension

KITS INCLUDE:

(1) Start Collar, (2) jts 32" Duct, (1) CA Boot, (2) S Cleats, (6) Drive Cleats

COLD AIR RETURN BOOTS

CA12_{aabbxyy}

xx = Furnace cutout larger

yy = Furnace cutout smaller

aa = CA Drop Slip dimension

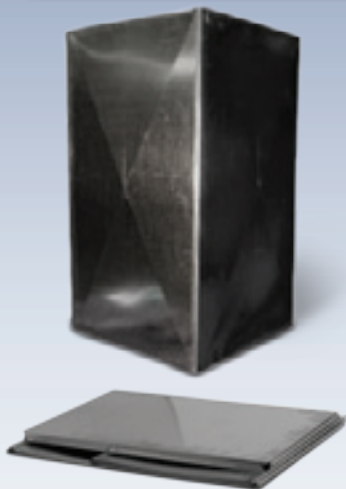
bb = CA Drop Drive dimension

Return Air Boot Options:

Round or Straight back
Top or Side load filter slot
Snap-on filter doors

Flange w/adhesive to assist installation
Magnetic filter slot cover **NEW!**
Slide-on filter cover

FURNACE/AIR HANDLER FITTINGS (CONT.)



CUSTOM SIZED PLENUMS

PL10_{xyyyz}

xx = 10-28 (Plenum Width)

yy = 12-30 (Plenum Depth)

zz = 12-60 (Plenum Height)

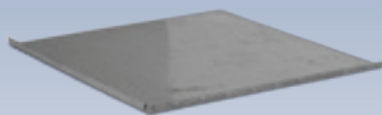
Standard 4 sides, 1 cap, x-broke

Options: Double Top, Two Piece Designs, Flange In/Out, Hem,

Fractional sizes end with A, B, etc.

Example: 16.5x20.5x48 = PL10162048A

Insulated Plenums available.
See page 23



PLENUM RAIL

PX16_{xyyy}

xx = 10-28 (Plenum Width)

yyy = 046 or 056 (Plenum Length)



UNIVERSAL PLENUM SIDE

PX14_{xxzz}

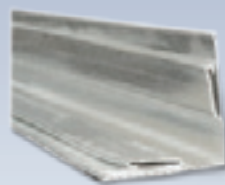
xx = 10-28 (Plenum Width)

zz = 12-60 (Plenum Height)



USER MANUAL HOLDER

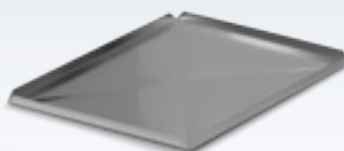
CA9001



PLENUM CORNERS

PX20_{xxx}

xx = 36, 60, 120 (Length)



UNIVERSAL PLENUM TOPS

PX18_{xyyy}

xx = 10-28 (Plenum Width)

yy = 12-36 (Plenum Length)



COLD AIR FRAMES

CA16_{xyyyz}

xx = 10-40 (Opening width)

yy = 04-24 (Opening height)

zz = Overall frame width (16" or 24")

Standard is 4" + opening width



SOLID COIL BOX

PX22_{xyyyz}

xx = 16-24 (Box Width)

yy = 20-28 (Box Depth)

zz = 15-22 (Box Height)

SUPPLY/RETURN AIR PRODUCTS



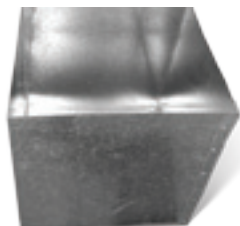
SUPPLY/RETURN AIR PAN, NO COLLAR

CA58_{xyyyz}

xx = 10-24 (Width)

yy = 10-24 (Length)

zz = 04-16 (Height, Standard = 4")



SUPPLY/RETURN AIR BOX - NO COLLAR

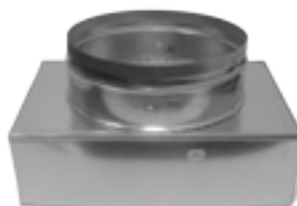
CA59_{xyyyz} No Collar

xx = 10-24 (Width)

yy = 10-24 (Length)

zz = 10-24 (Height, Standard = 6")

Specify R4, R6, R8 or with Flange (F)



RETURN AIR BOX W/COLLAR

CA60_{xyyyz} w/Collar

xx = 06-24 (Width)

yy = 06-24 (Length)

zz = 06-20 (Collar diameter)

Standard Height 6"



STACKHEAD, RETURN AIR

SX76_{xyyyaabb}

xx = 14, 16, 20, 25 (Wall register width)

yy = 20, 24, 25 (Wall register height)

aa = 14, 16, 20, 25 (Floor opening width)

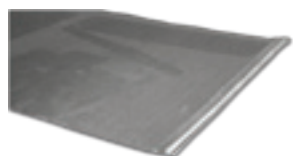
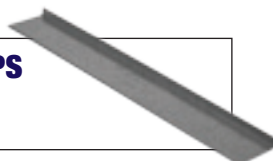
bb = 10, 12 (Floor opening length)

xx = aa typical, Standard RAW edges, specify flange on floor opening

COLD AIR GROUND/COLD AIR STRIPS

CA19_{xx} / CA62_{xx}

xx = 60, 96 (Length), Standard size 1.5" w/0.5" Hem



JOIST PANNING SHEETS

PS40_{xyyy}

xx = 16-35 (Width)

yy = 30-48 (Length)

Standard 30GA, Options: U = Unboxed



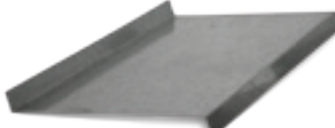
JOIST HEADER PLATE

PX05_{xyyyz}

xx = 16, 36 (Width)

yy = 10, 12 (Length)

zz = 30, 26 (GA)



JOIST BLOCKOFF

PX06_{xyyyz}

xx = 16, 36 (Width)

yy = 10, 14 (Length)

zz = 30, 28, 26 (GA)



JOIST HEAD

PX07_{xyyyz}

xx = 16, 36 (Width)

yy = 10, 14 (Length)

zz = 30, 28, 26 (GA)

REGISTER BOOTS

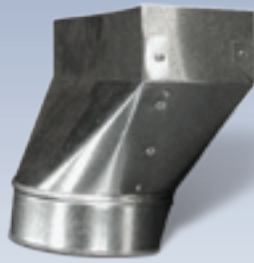
All Register boots can be made with 1" Flange.



REGISTER BOOT, END

RB10xyz (L571)

x = 2-12 (Register height)
yy = 06-14 (Register width)
z = 4-10 (Round opening)
Specify L = Left, R = Right



REGISTER BOOT, STRAIGHT

RB20xyz (L572)

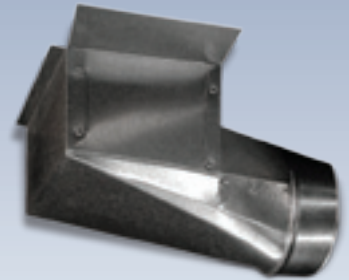
x = 2-12 (Register height)
yy = 06-14 (Register width)
z = 4-10 (Round opening)



REGISTER BOOT, ELBOW

RB30xyz (L575)

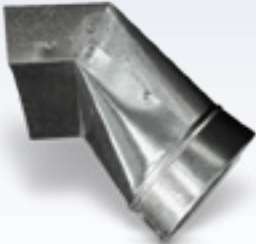
x = 2-12 (Register height)
yy = 06-14 (Register width)
z = 4-10 (Round opening)



BASEMENT BOOT

RB45xyz (PH-1)

x = 4-8 (Register height)
yy = 10-14 (Register width)
z = 4-8 (Round opening)



REGISTER BOOT, ANGLE

RB40xyz (L577)

x = 2 - 8 (Register height)
yy = 10-14 (Register width)
z = 4-10 (Round opening)



REGISTER BOOT, POOR BOY

RB20xyyPB

x = 2-6 (Register height)
yy = 08-14 (Register width)



REGISTER BOOT W/INTERGATED UL APPROVED CEILING RADIATION DAMPER & SHEET ROCK FLANGE

RB10xyzFSA End

RB20xyzFSA Straight

RB30xyzFSA Elbow

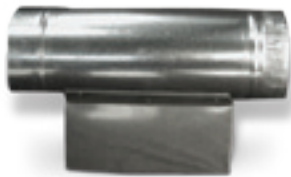
x = 2-12 (Register height)
yy = 06-14 (Register width)
z = 04-10 (Round opening)
a = 3, 6 (Throat extension)
Standard 165° Link, 212° available
Example: 4x12x6 CRD Elbow Boot w/6" extension RB304126FS6



THRU BOX

RB92xxyyzaabb

xx = 10 (Register Opening Height)
yy = 04 (Register Opening Width)
zz = 12 (Box Depth)
aa = 04-08 (Collar diameter input)
bb = 04-08 (Collar diameter output)



REGISTER BOOT, PERIMETER

RB43xyz (L580)

x = 2, 4 (Register height)
yy = 10-14 (Register width)
z = 4-10 (Round opening)



REGISTER PAN

RB50xxyy (516) 5" High

RB51xxyy (517) 11" High

x = 04-12 (Register height)
yy = 10-14 (Register width)



BOOT RAIL

RB66xx

xx = 16, 20, 24, 26 (Length)



BOOT FRAME

RB70xxyyzz

xx = 04-12 (Register width)
yy = 06-14 (Register length)
zz = 16 or 24 (Frame length)
24" fits both 16" and 24" stud lengths
Stamped design with rounded edges



ROUND BOOT FRAME

RB71xxzz

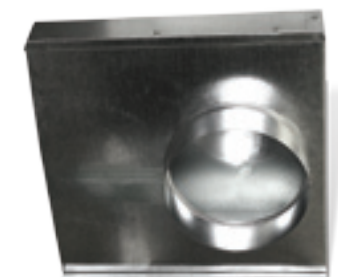
xx = 06-12 (Round opening)
zz = 24 (Frame length)



TOE KICK BOX

RB94xxyy

xx = 02, 03 (Register Height)
yy = 10, 12 (Register Length)
Open register side only or register side and bottom.



TOE KICK BOOT W/COLLAR

RB95xxyy

xx = 2, 3 (Register Height)
yy = 10, 12 (Register Length)
zz = 4, 6 (Round collar)
Toe Kick Boot w/Oval Collar OB95 available, see page 17.

ADJUSTABLE ELBOWS/ANGLES



ADJUSTABLE ANGLE

RX50xyyyz

xx = 03-36 (Diameter)

yy = 30, 26, 24 or 22 (GA)

z = 3P (3 piece), 2pc. stndrd



LONG RADIUS ELBOW

RX54xyyy

xx = 03-20 (Diameter)

yy = 26 or 24 (GA)



ADJUSTABLE ELBOW

RX53xyyyz

xx = 03-36 (Diameter)

yy = 30, 28, 26, 24 or 22 (GA)

zz = SB (Straight boxed)

SR (Straight racked)



STRAIGHT BOXED PACKAGING

SHEET METAL STARTING COLLARS

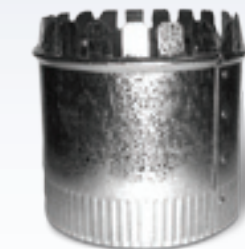


SHORT STARTING COLLAR

RX10xx (412) No Crimp

RX11xx (413) Crimped

xx = 04-40 (Diameter)



LONG STARTING COLLAR

RX12xx (416)

RX13xx (416D) w/Damper

xx = 04-36 (Diameter)

Options: RG (Solid Ring)
S (Scoop)

TABLOC LONG STARTING COLLAR

RX12xx (416T)

RX13xx (416TD)

w/Damper

xx = 04-20 (Diameter)

Ships nested. Quick tabloc wont release!



LONG ROTH STARTING COLLAR

RX16xx (413R)

Medium sized body (4" long)

xx = 03-24 (Diameter)



FLEX CONNECTOR

RX58xxzz

xx = 03-24 (Diameter)

zz = 30, 26 (GA)

Used to join short pieces of flex.



CONNECTOR W/WAVEY WASHER

RX58Rxx

xx = 03-24 (Diameter)

High-friction couplers allow damper adjustment from register opening.

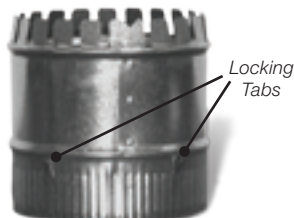


SHORT STARTING COLLAR WITH SOLID RING

RX10Rxx (412R) No Crimp

RX11Rxx (413R) Crimped

xx = 04-40 (Diameter)



LONG CLINCH STARTING COLLAR

RX14xx (417)

Tabs help to lock flex on collar

xx = 04-28 (Diameter)



ROUND END CAP

RX21xxzz (421) No Crimp

RX22xxzz (422) Crimped

xx = 03-24 (Diameter)

zz = 22, 24 (GA) Blank = 26GA



ROUND FLEX CONNECTOR

DX36Rxx

xx = 03-24 (Diameter)

Provides isolation of furnace and air handler vibration and noise from round duct systems.



SQUARE ADJUSTABLE TAKEOFF

TO10xx (303) No Damper
TO10Dxx (303D) Damper
TO10DExx (303DE) Damper
Ext Kit

xx = 04-24 (Diameter)



RECTANGULAR NON-ADJ. TAKEOFF

TO20xx (308)
xx = 04-18 (Diameter)



ROUND ADJUSTABLE TAKEOFF

TO30xx (325) No Damper
TO30Dxx (325D) Damper
TO30DExx (325DE) Damper
Ext Kit

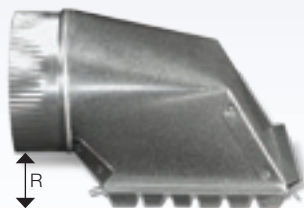
xx = 04-20 (Round Diameter)

Tabbed opening is 1" larger than round



ROUND ADJ. TO, HALF-TAB

TO33xx (325H) No Damper
xx = 05-07 (Diameter)



SQUARE TOP NON-ADJ. TAKEOFF

TO50xx (563) 0" R
TO51xx (564) 1" R
TO52xx (565) 2" R

xx = 04-18 (Diameter)



SQUARE ADJUSTABLE TO, ROTH

TO16xx (303R) No Damper
xx = 06-18 (Diameter)



ROUND SIDE TAKEOFF

TO36xx (326) No Damper
TO36Dxx (326D) Damper
xx = 04-20 (Diameter)



SQUARE SIDE TAKEOFF

TO38xx (328) No Damper
TO38Dxx (328D) Damper
TO38DExx (328DE) Damper
Ext Kit

xx = 04-24 (Diameter)



DOUBLE TAKEOFF

TO40xx (462) 0" R
TO41xx (463) 1" R
TO42xx (464) 2" R

xx = 04-08 (Diameter)



ROUND-STACK TRANSFORMER

TO80xx (472)
xx = 04-24 (Diameter)
Specify Stack opening



ADJUSTABLE ELBOW TAKEOFF

TO93xx (92SM)
xx = 04-08 (Diameter)



CONICAL SPIN-IN TAKEOFF

DX69xx No damper
DX69Dxx Damper
DX69DExx Damper Ext Kit
xx = 04-24 (Diameter)

ROUND SPIN-IN TAKEOFF

DX70xx (46) No damper
DX71xx (47) Damper
DX71Exx (47E) Damper Ext Kit
xx = 04-18 (Diameter)

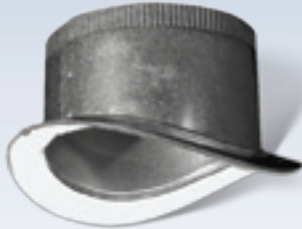


ROUND SPIN-IN TO W/SCOOP

DX72xx (48) 45° Scoop
DX73xx (49) 90° Scoop
DX74xx (50) 45° Scoop & Damper
DX75xx (51) 90° Scoop & Damper
xx = 04-18 (Diameter)



SHEET METAL ADHESIVE TAKEOFFS



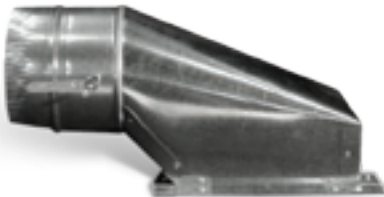
ROUND SADDLE ADHESIVE TO

TA09xx (1231) No damper
TA09Dxx (1231D) Damper
TA09DExx (1231DE) Damper Ext Kit
TA09DSxx (1231DS) Damper & Scoop
TA09Sxx (1231S) Scoop
xx = 06-32 (Diameter)



SQUARE ADJ. ADHESIVE TAKEOFF

TA10xx (1303) No damper
TA11xx (1303D) Damper
TA11Exx (1303DE) Damper Ext Kit
xx = 06-16 (Diameter)



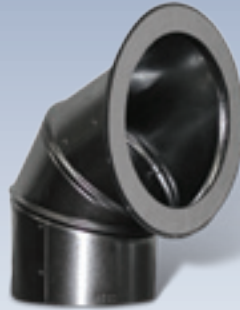
SQUARE NON-ADJ. ADHESIVE TO

TA20xx (1308) No damper
TA20Dxx (1308D) Damper
TA20DExx (1308DE) Damper Ext Kit
xx = 06-16 (Diameter)



Save your customers time and money by offering them

DAMPER EXTENSION KITS already installed on ANY adhesive takeoff.



ROUND ADJ. ADHESIVE TAKEOFF

TA30xx (1325) No damper
TA30Dxx (1325D) Damper
TA30DExx (1325DE) Damper Ext Kit
xx = 04-12 (Diameter)



SQUARE CONICAL ADHESIVE TO

TA38xx (1328) No damper
TA38Dxx (1328D) Damper
TA38DExx (1328DE) Damper Ext Kit
xx = 04-26 (Diameter)



SQUARE ADHESIVE TAKEOFF

TA39xx (1329) No damper
TA39Dxx (1329D) Damper
TA39DExx (1329DE) Damper Ext Kit
xx = 04-24 (Diameter)



TOP SQ. ADHESIVE TAKEOFF

TA51xx (1564) 1"R No damper
TA51Dxx (1564D) 1"R Damper
TA52xx (1565) 2"R No damper
TA52Dxx (1565D) 2"R Damper
xx = 04-16 (Diameter)

Lukjan can manufacture any adhesive fitting using Anti-Microbial (AglON) coated steel. Call for special quote

NEW!



ROUND ADHESIVE TAKEOFF

TA40xx (1329R) No damper
TA40Dxx (1329RD) Damper
TA40DExx (1329RDE) Damper Ext Kit
TA40DSxx (1329RDS) Damper & Scoop
TA40Sxx (1329RS) Scoop
TA40Fxx (1329RF) Flange
xx = 06-32 (Diameter)



HIGH EFFICIENCY TAKEOFF

TA57xx (1573) No damper
TA57Dxx (1573D) Damper
TA57DExx (1573DE) Damper Ext Kit
xx = 04-26 (Diameter)

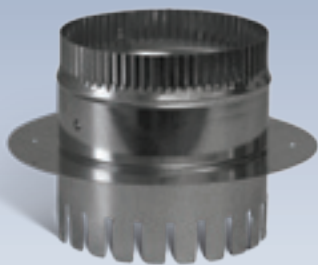


ROUND CONICAL ADHESIVE TO

TA60xx (1330) No damper
TA60Dxx (1330D) Damper
TA60DExx (1330DE) Damper Ext Kit
TA60DSxx (1330DS) Damper & Scoop
xx = 04-24 (Diameter)

SUBMITTALS for any Adhesive Takeoff available upon request

DUCTBOARD TAKEOFFS AND FITTINGS



DUCTBOARD COLLAR-SOLID RING

DX76xx (52)

xx = 04-24

Options: L = 1.5" tabs R6
L2 = 2" Tabs R8



TABLOC DUCTBOARD COLLAR

DX77xx (52T)

xx = 04-24

Standard supports both R6 and R8



SQUARE ADJ. DUCTBOARD TAKEOFF

TO14xx (303DB)

TO14Dxx w/Damper

xx = 04-16

Standard supports R4

Options: U (Universal; R6 and R8)



DUCTBOARD COLLAR W/DAMPER

DX38xx (53)

xx = 04-24

Options: L = 1.5" tabs R6
L2 = 2" Tabs R8
S = Scoop

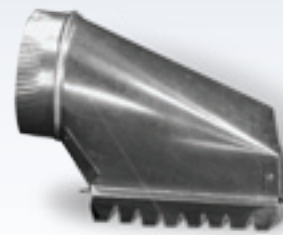


TABLOC DB COLLAR W/DAMPER

DX39xx (53T)

xx = 04-18

Standard supports both R6 & R8



SQUARE NON-ADJ. DB TAKEOFF

TO18xx (308DB)

TO18Dxx w/Damper

xx = 04-12

Standard supports R4

Options: U (Universal; R6 and R8)



DB TWIST-IN COLLAR

DX60xx (40)

DX61xx (41) w/Damper

xx = 04-20



DB TWIST-IN COLLAR W/SCOOP

DX62xx (42) 45° Scoop

DX63xx (43) 90° Scoop

DX64xx (44) 45° Scoop & Damper

DX65xx (45) 90° Scoop & Damper

xx = 04-20



NON-ADJ. DB TAKEOFF W/1" RISE

TO54xx (564DB)

TO54Dxx w/Damper

xx = 06-14

Standard supports R4

Options: U (Universal; R6 and R8)
L2 (R8 only)



ADJ. ELBOW DB TAKEOFF

TO94xx (92DB)

TO94Dxx w/Damper

xx = 05-16



ADJ. ANGLE DB TAKEOFF

TO95xx

TO95Dxx w/Damper

xx = 06-16



ROUND ADJ. DB TAKEOFF

TO31xx (325DB)

xx = 05-08

DUCTBOARD TAKEOFFS AND FITTINGS (CONT.)



SQUARE SIDE DB TAKEOFF

TO39xx (328DB)

xx = 05-12



DOUBLE DB TAKEOFF

TO45xx (464DB)

xx = 06, 07, 08



DB RECTANGULAR STARTING COLLAR

DX35xxyy (520DB)

xx = 10, 12

yy = 20, 24

Specify R4, R6 or R8 Ductboard



DB METAL BOOT FACE

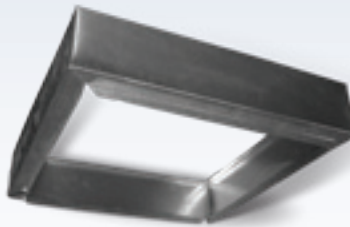
Used in making DB ceiling boxes

CA75xxyyz

xx = 04, 06, 08 (Register Width)

yy = 8, 10, 12, 14 (Register Length)

z = 1, 2 (1 = R4, 2 = R8)



DUCTBOARD COLLAR BOX

For making DB Supply Air Boxes

DX83xxyyz

xx = 12-20 (Cold Air Vent Width)

yy = 12-24 (Cold Air Vent Length)

z = 3 (Standard Height)



ADJUSTABLE DUCTBOARD COLLAR

Adjusts for R4, R6, R8 or even Sheet Metal

CEILING BOXES AND BOOTS



CEILING BOOT SIDE

RB60xxyyzz

xx = 06-20 (Register Length)

yy = 06-14 (Register Width)

zz = 04-12 (Diameter out)

Example: 10x6x6 = RB60100606



CEILING BOX SIDE

RB61xxyyzz

xx = 06-24 (Register Length)

yy = 06-24 (Register Width)

zz = 04-20 (Diameter out)

Options: F = Flange

FS = CRD Installed



CEILING BOX TOP

RB62xxyyzz

xx = 06-24 (Register Length)

yy = 06-24 (Register Width)

zz = 04-20 (Diameter out)

Options: F = Flange

FS = CRD Installed



CEILING BOX ANGLE

RB65xxyyzz

xx = 08-14 (Length)

yy = 06-14 (Width)

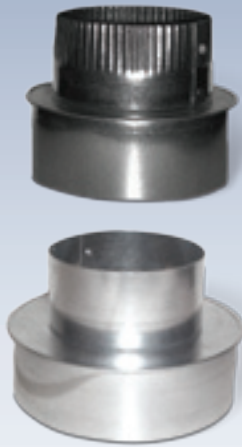
zz = 04-10 (Diameter out)

Options: F = Flange

Specify Collar Angled or Collar Straight

For insulated ceiling boxes, see page 23

REDUCERS/INCREASERS



CAP REDUCER

RX23_{xyy} (450) w/Crimp
RX24_{xyy} (451) No Crimp
 xx = 04-18 (Larger Diameter)
 yy = 03-16 (Smaller Diameter)
 Crimp on smaller diameter



CAP INCREASER

RX25_{xyy} (452) w/Crimp
 xx = 04-18 (Larger Diameter)
 yy = 03-16 (Smaller Diameter)
 Crimp on larger diameter



TAPERED REDUCER

RX40_{xyyzz} (430) w/Crimp
RX41_{xyyzz} (431) No Crimp
 xx = 04-24 (Larger Diameter)
 yy = 03-22 (Smaller Diameter)
 zz = 30, 24, 22 (GA) Blank = 26GA
 Crimp on smaller diameter



TAPERED INCREASER

RX43_{xyyzz} (432) w/Crimp
 xx = 04-16 (Larger Diameter)
 yy = 03-12 (Smaller Diameter)
 zz = 30, 24, 22 (GA) Blank = 26GA
 Crimp on larger diameter

TEES AND WYES



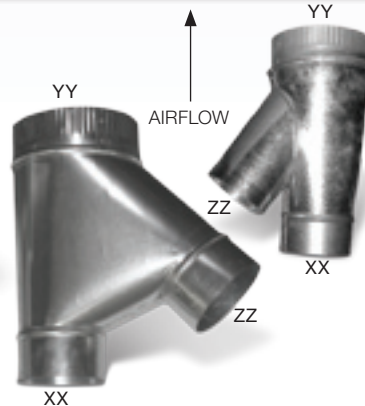
FLARED TEES

RX70_{xyyzz} (352)
 xx = 03-36 (Air entry diameter)
 yy = 03-36 (Air exit diameter crimped)
 zz = 03-36 (Air exit diameter)
 RX70xx = All branches equal diameter
 Standard 26GA



REDUCING WYE

RX79_{xyyzz} (228)
 xx = 03-18 (Air exit diamter, crimped)
 yy = 04-20 (Air entry diameter)
 zz = 03-18 (Branch diameter, crimped)



FLUE WYE

RX80_{xyyzz} (229)
 xx = 03-18 (Air Entry, furnace side)
 yy = 04-20 (Air Eixt, flue side, crimped)
 zz = 03-18 (Air Entry, Branch diameter)



SWIVEL TEES

RX71_{xyyzz}
 xx = 04-06 (Lower branch diameter)
 yy = 04-07 (Body diameter)
 zz = 03-06 (Upper branch diameter)



OLD STYLE TEES

RX75_{xxzz}
 xx = 04-08
 zz = Blank for 26GA, 24 for 24GA



BRANCH WYE

RX81_{xyyzz} (330)
 xx = 03-20 (Air Entry diameter)
 yy = 03-18 (Branch 1, crimped)
 zz = 03-18 (Branch 2, crimped)
 Bullhead is Branch 1 = Branch 2



BRANCH WYE, SINGLE ADJ.

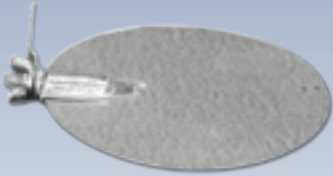
RX82_{xyyzz} (332)
 xx = 03-14 (Air Entry diameter)
 yy = 03-12 (Branch 1, crimped)
 zz = 03-12 (Adjustable Branch 2, crimped)



BRANCH WYE, DOUBLE ADJ.

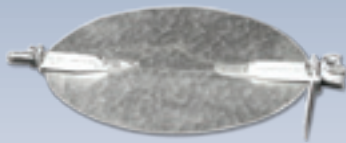
RX83_{xyyzz} (336)
 xx = 03-14 (Air Entry diameter)
 yy = 03-12 (Adjustable Branch 1, crimped)
 zz = 03-12 (Adjustable Branch 2, crimped)

DAMPERS AND DAMPER HARDWARE



DAMPER W/ 1 HARDWARE RX31xx (10)

xx = 03-12 (Diameter)
Damper blade, Spring loaded damper clip, washer, wing nut, handle all 5/16"



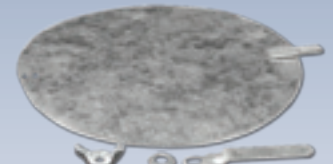
DAMPER W/ 2 HARDWARE RX32xx (10)

xx = 04-36 (Diameter)
Damper blade, 2 Spring loaded damper clips, 2 washers, 2 wing nuts and 2 handles all 5/16"



ECONOMY DAMPER W/ 1 HRDWR ASSEMBLED RX35xx (11)

xx = 04-12 (Diameter)
Damper blade, Spade, washer, wing nut and handle all 1/4"



ECONOMY DAMPER W/ 1 HRDWR UNASSEMBLED RX36xx (11)

xx = 04-12 (Diameter)
Damper blade, Spade, washer, wing nut and handle all 1/4"



ECONOMY DAMPER W/ 2 HRDWR ASSEMBLED RX37xx (11)

xx = 04-18 (Diameter)
Damper blade, 2 Spades, 2 washers, 2 wing nuts and 2 handles all 1/4"



ECONOMY DAMPER W/ 2 HRDWR UNASSMBLD RX38xx (11)

xx = 04-14 (Diameter)
Damper blade, 2 Spades, 2 washers, 2 wing nuts and 2 handles all 1/4"



DAMPER TUBES

RX39xxyy RX39DExxyy

xx = 04-18 (Diameter)
yy = 06-20 (Height, even only)
Damper included
Double ECONO hardware for damper sizes up to 9", SLDC and PDC sizes ≥10"

NEW!



DAMPER HARDWARE KITS

HD01xx

xx = 01 (SLDC, H, W, WN)
02 (SLDC, H, W, WN, TDC)
03 (SLDC, H, W, WN, PDC)
04 (2-SLDC, H, W, WN)



NEW!

BUTTERFLY DAMPER

RX59xx

xx = 04 - 16 (Diameter)



DAMPER HANDLES

HD04xx

xx = 01 (Regular)
xx = 02 (Double, 1/4" and 5/16")



DAMPER WASHERS

HD02xx

xx = 01 (Flat 5/16")
xx = 01A (Flat 1/4")



DAMPER WINGNUTS

HD03xx

xx = 01 (Stamped 5/16")
xx = 01A (Stamped 1/4")



DAMPER CLIPS

HD05xx

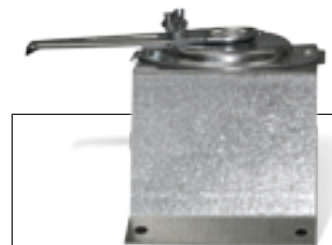
xx = 01 (Threaded; TDC)
xx = 02 (Plain; PDC)
xx = 03 (Spring-Loaded; SLDC)



DAMPER DISK BLANKS

HD06xx

xx = 03-36 (Diameter)



DAMPER EXTENSION KITS

RX30xxx

xxx = 01 (1" High Standoff)
015 (1.5" High Standoff)
02 (2" Standoff, 5/16" Shaft)
025 (2" Standoff, 1/4" Shaft)

Used to extend damper handles when insulating fittings



SLDC = Spring Loaded Damper Clip
TDC = Threaded Damper Clip
PDC = Plain Damper Clip
H = Handle
W = Washer
WN = Wing Nut

OVAL PIPE AND FITTINGS

OVAL PIPE

OP01xxyy

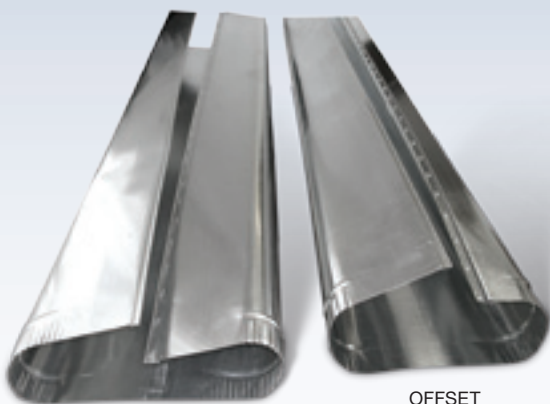
xx = 05, 06, 07, 08, 10 (Oval dimension)

yy = 060, 100, 112, 113, 120 (Length)

Other lengths available. Standard 30GA

center seam, buttonlock.

Optional offset seam, 26GA.



CENTER

OFFSET

| BRANCH DUCT (IN) | MAJOR (IN) | MINOR (IN) | CIRCUMF. (IN) | X-SEC. AREA (SQ. IN.) | CAPACITY (CFM) .10 S.P. | EQUIV. ROUND (IN) |
|------------------|------------|------------|---------------|-----------------------|-------------------------|-------------------|
| 5 ROUND | | | 15.7 | 19.6 | 68 | |
| 6 ROUND | | | 18.8 | 28.3 | 108 | |
| 7 ROUND | | | 22.0 | 38.5 | 160 | |
| 8 ROUND | | | 25.2 | 50.3 | 230 | |
| 5 OVAL | 6.0 | 3.25 | 15.7 | 15.3 | 53 | 4.6 |
| 6 OVAL | 7.6 | 3.25 | 18.8 | 19.3 | 78 | 5.2 |
| 7 OVAL | 9.1 | 3.25 | 22.0 | 23.3 | 92 | 5.7 |
| 8 OVAL | 10.7 | 3.25 | 25.2 | 27.3 | 118 | 6.1 |
| 10 OVAL | 13.8 | 3.25 | 31.4 | 35.3 | 148 | 6.8 |
| 3-1/4X10 STACK | | | 26.5 | 32.5 | 108 | 6.0 |
| 3-1/4X12 STACK | | | 30.5 | 39.0 | 134 | 6.5 |

Lukjan offers a complete line of Oval Pipe and Fittings 5" thru 8"

Oval Pipe lengths standard at 60" and 100". Other lengths available.

OVAL PIPE RACK QTY

ANY LENGTH

| | |
|---|-----|
| 6 | 400 |
| 7 | 320 |
| 8 | 300 |



OVAL VERTICAL ANGLE

OX52xx

xx = 5, 6, 7, 8



OVAL VERTICAL ELBOW

OX54xx

xx = 5, 6, 7, 8



OVAL HORIZONTAL ANGLE

OX51xx

xx = 5, 6, 7, 8



OVAL HORIZONTAL ELBOW

OX53xx

xx = 5, 6, 7, 8



OVAL TO ROUND BOOT, END

OB71xxyy (71)

xx = 5, 6, 7, 8 (Oval dimension)

yy = 5, 6, 7, 8 (Round dimension)

For Round = Oval, leave yy blank

Options: CO = Crimp oval end
CR = Crimp round end



OVAL TO ROUND BOOT, STRAIGHT

OB72xxyy (72)

xx = 5, 6, 7, 8 (Oval dimension)

yy = 5, 6, 7, 8 (Round dimension)

For Round = Oval, leave yy blank

Options: CO = Crimp oval end
CR = Crimp round end



OVAL TO ROUND BOOT, ELBOW

OB75xxyy (75)

xx = 5, 6, 7, 8 (Oval dimension)

yy = 5, 6, 7, 8 (Round dimension)

For Round = Oval, leave yy blank

Options: CO = Crimp oval end
CR = Crimp round end

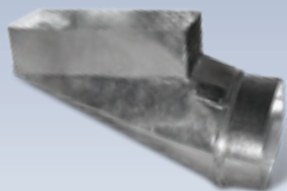


OVAL TO OVAL REVERSE ELBOW

OB78xx (78)

xx = 5, 6, 7, 8 (Oval dimension)

OVAL PIPE AND FITTINGS (CONT.)



OVAL BOOT, END

OB10xyyz (L571O)

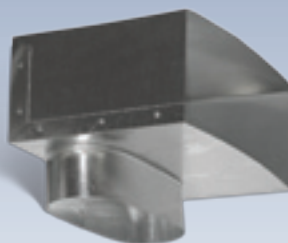
x = 2, 3, 4, 6 (Register height)
yy = 10, 12, 14 (Register width)
z = 5, 6, 7, 8 (Oval opening)



OVAL BOOT, STRAIGHT

OB20xyyz (L572O)

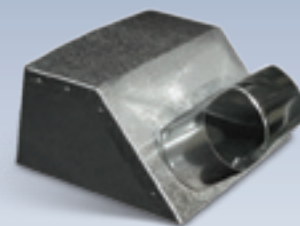
x = 2, 3, 4, 6 (Register height)
yy = 10, 12, 14 (Register width)
z = 5, 6, 7, 8 (Oval opening)



OVAL BOOT, ELBOW

OB30xyyz (L575O)

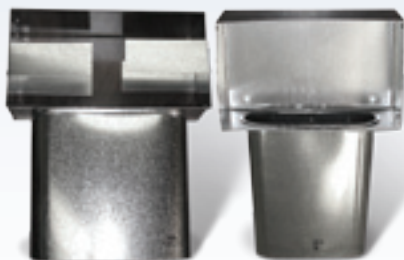
x = 2, 3, 4, 6 (Register height)
yy = 10, 12, 14 (Register width)
z = 5, 6, 7, 8 (Oval opening)



OVAL BOOT, ANGLE

OB40xyyz (L577O)

x = 2, 3, 4, 6 (Register height)
yy = 10, 12, 14 (Register width)
z = 5, 6, 7, 8 (Oval opening)



OVAL STACKHEAD

OX10xyyz

xx = 4, 6, 8, 10 (Register height)
yy = 8, 10, 12, 14 (Register width)
z = 5, 6, 7, 8 (Oval opening)



OVAL STACKHEAD, DOUBLE

OX11xyyz

xx = 4, 6, 8, 10 (Register height)
yy = 8, 10, 12, 14 (Register width)
z = 5, 6, 7, 8 (Oval opening)



OVAL STACKHEAD, SPLIT

OX12xyyz

xx = 4, 6 (Register height)
yy = 10, 12 (Register width)
z = 6, 7 (Oval opening)



OVAL CAP

OX21xx (No Crimp)

xx = 5, 6, 7, 8



OVAL START COLLAR

OX63xx (413O) Crimp

OX64xx (412O) No Crimp

xx = 5, 6, 7, 8



OVAL TOP TAKEOFF

OX60xx (564O)

xx = 5, 6, 7, 8



OVAL TOP TAKEOFF, DUCTBOARD

OX62xx (564ODB)

xx = 5, 6, 7, 8



OVAL ADHESIVE TAKEOFF

OX40xx (1329OV)

xx = 5, 6, 7, 8



OVAL DUCTBOARD START COLLAR

OX76xx (52Oval)

xx = 5, 6, 7, 8



OVAL ADAPTER

OX70xyyz

xx = 2, 3, 4 (Stack height)
yy = 10, 12, 14 (Stack width)
z = 6, 7 (Oval opening)



OVAL FIRE STOP

OX90xx

xx = 5, 6, 7, 8

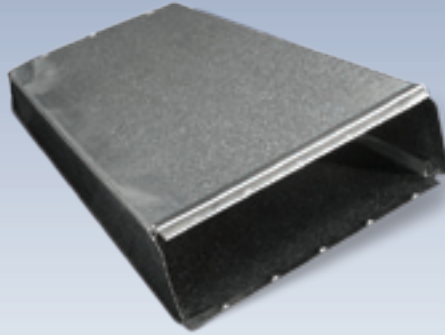
WALLSTACK, 2PC. SNAP LOCK

SK01xyyzzz

x = 2, 3 (Stack depth), 2 = 2.25, 3 = 3.25

yy = 08, 10, 12, 14 (Stack width)

z = 012-115 (Stack length)



STACK BOOT, END

SB10xyyz

x = 2, 3 (Stack depth)

yy = 08, 10, 12, 14 (Stack width)

z = 4, 5, 6, 7, 8 (Round opening)

Standard with Stack Clips



STACK BOOT, STRAIGHT

SB20xyyz

x = 2, 3 (Stack depth)

yy = 08, 10, 12, 14 (Stack width)

z = 4, 5, 6, 7, 8 (Round opening)

Standard with Stack Clips



STACK BOOT, ELBOW

SB30xyyz

x = 2, 3 (Stack depth)

yy = 08, 10, 12, 14 (Stack width)

z = 4, 5, 6, 7, 8 (Round opening)

Standard with Stack Clips



STACK BOOT, ANGLE

SB40xyyz

x = 3 (Stack depth)

yy = 10, 12, 14 (Stack width)

z = 6, 7 (Round opening)

Standard with Stack Clips



WALLSTACK VERTICAL ANGLE

SX23xyyy (314)

xx = 02, 03 (Stack depth)

yy = 08, 10, 12, 14 (Stack width)

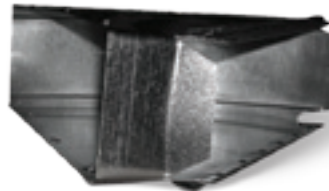


WALLSTACK VERTICAL ELBOW

SX21xyyy (307)

xx = 02, 03 (Stack depth)

yy = 08, 10, 12, 14 (Stack width)

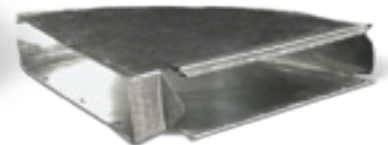


WALLSTACK HORIZONTAL ANGLE

SX27xyyy (532)

xx = 02, 03 (Stack depth)

yy = 08, 10, 12, 14 (Stack width)



WALLSTACK HORIZONTAL ELBOW

SX25xyyy (525)

xx = 02, 03 (Stack depth)

yy = 08, 10, 12, 14 (Stack width)



WALLSTACK STARTING COLLAR

SX33xyyy (520)

xx = 02, 03 (Stack depth)

yy = 10, 12, 14 (Stack width)

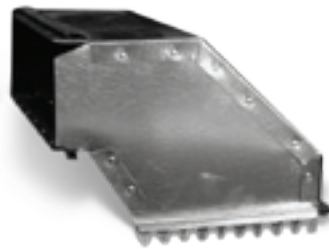


WALLSTACK SIDE TAKEOFF

SX42xyy (364)

x = 3 (Stack depth)

yy = 10, 12, 14 (Stack width)

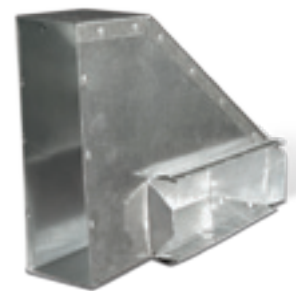


WALLSTACK TOP TAKEOFF

SX41xyy (362)

x = 2, 3 (Stack depth)

yy = 10, 12, 14 (Stack width)



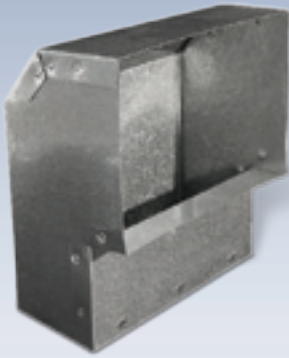
WALLSTACK REVERSE ELBOW

SX24xyyy (524)

xx = 02, 03 (Stack depth)

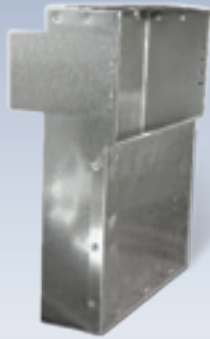
yy = 08, 10, 12, 14 (Stack width)

WALL STACK AND STACK FITTINGS (CONT.)



STACKHEAD, SHORT SX70xyyabb (302)

x = 2, 3 (Stack depth)
yy = 10, 12, 14 (Stack width)
a = 4, 6, 8 (Register width)
bb = 10, 12, 14 (Register height)



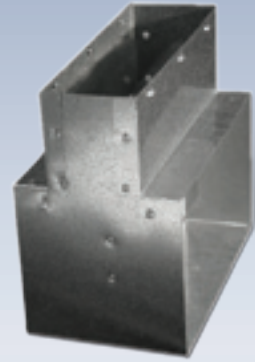
STACKHEAD, LONG W/EARS SX71xyyabb (309)

x = 2, 3 (Stack depth)
yy = 10, 12, 14 (Stack width)
a = 4, 6, 8 (Register width)
bb = 10, 12, 14 (Register height)



STACKHEAD, LONG SX72xyyabb (310)

x = 2, 3 (Stack depth)
yy = 10, 12, 14 (Stack width)
a = 4, 6, 8 (Register width)
bb = 10, 12, 14 (Register height)



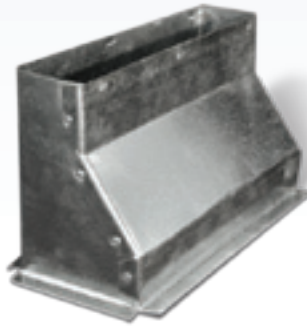
STACKHEAD, DOUBLE SX73xyyabb (311)

x = 2, 3 (Stack depth)
yy = 10, 12, 14 (Stack width)
a = 4, 6, 8 (Register width)
bb = 10, 12, 14 (Register height)



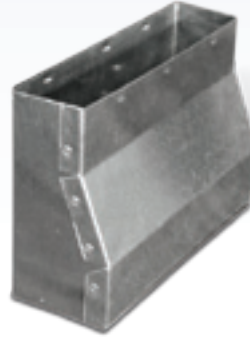
STACKHEAD, OUT OF WALL SX74xyyabb (313)

x = 2, 3 (Stack depth)
yy = 10, 12, 14 (Stack width)
a = 4, 6 (Register width)
bb = 10, 12, 14 (Register height)



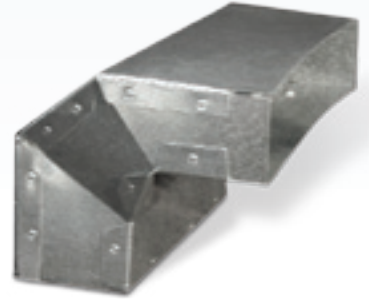
STACKHEAD SX75xyyabb (315)

x = 2, 3 (Stack depth)
yy = 10, 12, 14 (Stack width)
a = 4, 6 (Register width)



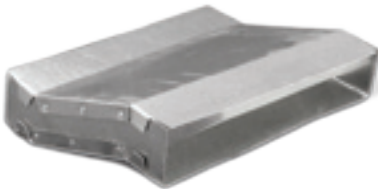
STACK ADAPTER, STRAIGHT SX80xyyabb (601)

x = 3 (Stack A depth)
yy = 10, 12, 14 (Stack A width)
a = 2 (Stack B depth)
bb = 10, 12, 14 (Stack B width)



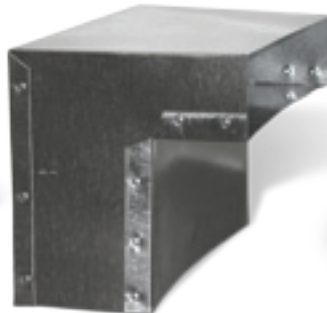
STACK ADAPTER, ELBOW SX81xyyabb (602)

x = 3 (Stack A depth)
yy = 10, 12, 14 (Stack A width)
a = 2, 4, 6 (Stack B depth)
bb = 10, 12, 14 (Stack B width)



OFFSET STACK SX94xyyabb

x = 2, 3 (Stack A depth)
yy = 10, 12, 14 (Stack A width)
a = 2, 3, 4, 6 (Stack B depth)
bb = 10, 12, 14 (Stack B width)
3" Standard Offset, 9" long



JIMMY BOOT SX96xyyabb



WALLSTACK CONNECTOR SX35xyy (604)

x = 2, 3 (Stack depth)
yy = 10, 12, 14 (Stack width)



WALLSTACK END CAP SX44xyy (512)

x = 2, 3 (Stack depth)
yy = 10, 12, 14 (Stack width)

GALVANIZED SPIRAL PIPE

GP01xxyy

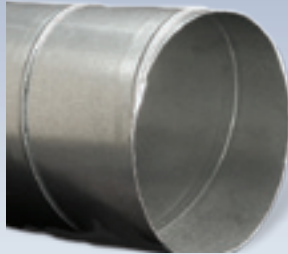
xx = 03-36 (Pipe diameter)

yy = 22, 24, 26 (GA)

Order Qty in feet. 10' lengths standard.
\$2 cut charge applies for each non-standard size.

Options: Smooth or Raised

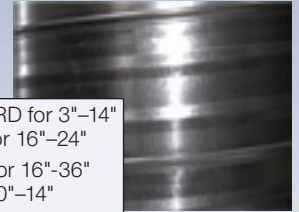
Paint Grip Spiral and Fittings available for 10% Additional.



Smooth



Raised



SMOOTH surface STANDARD for 3"-14"
Smooth surface also avail for 16"-24"
RAISED bead STANDARD for 16"-36"
Raised bead also avail for 10"-14"
Please specify when ordering

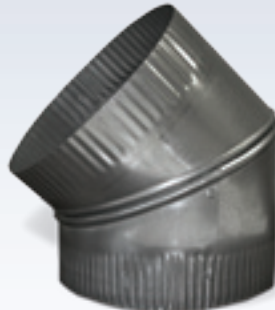


GALVANIZED SPIRAL ELBOWS

RX53xxyyGS

xx = 03-36 (Diameter)

yy = 22, 24, 26 (GA)



GALVANIZED SPIRAL ANGLES

RX50xxyyGS

xx = 03-36 (Diameter)

yy = 22, 24, 26 (GA)



SPIRAL CONNECTOR

RX58xxyy

RX58Dxxyy (w/Damper)

xx = 04-36 (Diameter)

yy = 26, 24, 22 (GA)

Options: W (Wavey washer: damper only)



NEW!

SHOE TAP

RX66xxyy

xx = 03-16 (Diameter)

yy = 26, 24 (GA)



GALVANIZED SPIRAL REDUCER

RX44xxyyzz (433)

xx = 04-36 (Larger diameter)

yy = 03-30 (Smaller diameter)

zz = 22, 24, 26 (GA)



SPIRAL ECCENTRIC REDUCER

Flat one edge, 10% Additional



SPIRAL REGISTER SADDLE W/ADHESIVE

RX64xxyyzz

Same as RX65



SPIRAL REGISTER SADDLE

RX65xxyyzz

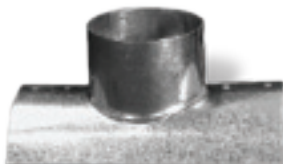
xx = 03-20 (Register Height)

yy = 10-30 (Register Width)

zz = 22, 24 (GA), Blank for 26GA

Options: FI (1" Flange In)

For Flange In (FI), specify 2" + xx and 2" + yy.
Example: 6x10 register opening with 1" Flng In, order RX650812



SPIRAL SADDLE FLUE W/90° TO

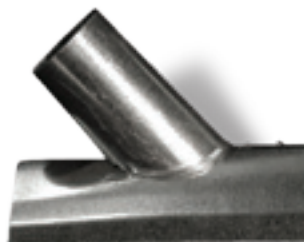
RX61xxyyzz (231)

xx = 03-20 (Takeoff Diameter)

yy = 22, 24, 26 (GA)

zz = 10-20 (Pipe diameter to fit)

Example: 14" 24GA 90 Takeoff to fit 18" pipe



SPIRAL SADDLE FLUE W/45° TO

RX60xxyy (230)

xx = 04-36 (Diameter)

yy = 24, 22 (GA) Blank = 26GA



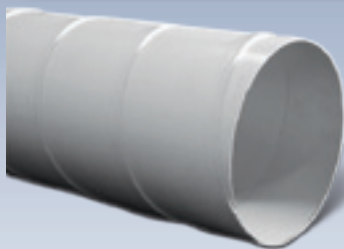
GALVANIZED SPIRAL END CAPS

RX22xxyy (422) Crimped

xx = 03-24 (Diameter)

yy = 24, 22 (GA) Blank = 26GA

PVC SPIRAL AND FITTINGS



ALL PVC PRODUCTS
1 mil coating inside
4 mil coating outside



PVC SPIRAL PIPE

VP01xxyy

xx = 04-36 (Diameter)

yy = 02-20 (Length in FEET)

Options: Smooth or Raised Seam

PVC ANGLE

VX50xx

x = 04-36 (Diameter)

PVC ELBOW

VX53xx

x = 04-36 (Diameter)



PVC STARTING COLLAR

VX11xx (416P)

x = 04-36 (Diameter)

PVC ECCENTRIC REDUCER

VX44xxyy

xx = 06-28 (Larger Diameter)

yy = 04-26

Tapered reducer optional

PVC END CAP

VX20xx (422P)

x = 03-36 (Diameter)

PVC CONNECTOR

VX58xx

x = 04-36 (Diameter)



PVC REGISTER BOOT, END

VB10xyyz (L571P)

x = 2-6 (Register height)

yy = 06-14 (Register width)

z = 4-10 (Round opening)

Specify L = Left, R = Right

PVC REGISTER BOOT, STRAIGHT

VB20xyyz (L572P)

x = 2-6 (Register height)

yy = 06-14 (Register width)

z = 4-10 (Round opening)

PVC REGISTER BOOT, ELBOW

VB30xyyz (L575P)

x = 2-6 (Register height)

yy = 06-14 (Register width)

z = 4-10 (Round opening)

PVC PERIMETER BOOT

VB70xyyz

x = 2-6 (Register height)

yy = 06-14 (Register width)

z = 4-10 (Round opening)



PVC REGISTER SADDLE

VX61xyy

x = 2-08 (Register height)

yy = 06-24 (Register width)

PVC 45° SADDLE

VX62xx (230P)

xx = 04-16 (Takeoff Diameter)

PVC 90° SADDLE

VX63xx (231P)

xx = 04-36 (Takeoff Diameter)

PVC SHOE TAP

VX66xx

xx = 06-12 (Takeoff Diameter)

PVC TEE

VX70xx (352P)

xx = 06-26



PVC FLUE WYE

VX80xx (229P)

xx = 06-36



PVC TOUCH-UP PAINT

VX9001

12 oz. Can, 6/box

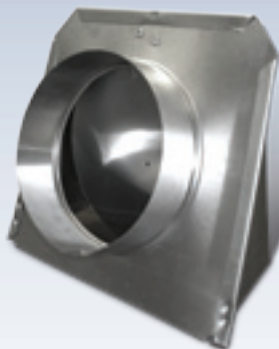
DRYER/VENTILATION PRODUCTS

ALUMINUM DRYER VENTS

AX74xx

xx = 03-12

Standard with air flap

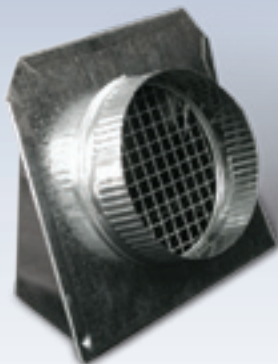


ALUMINUM FRESH AIR INTAKE

AX64xx

xx = 04-14

Standard with screen



GALVANIZED DRYER VENTS

EX74xx

xx = 03-10

Standard with air flap

GALV. FRESH AIR INTAKES

CA64xx

CA64Dxx w/Damper

xx = 04-16

Standard with screen

DRYER WALL BOXES

EX30xx

xx = 35 (3.5" deep, oval opening)

425 (4.25" deep, round opening)

y = U (Upward)

D (Downward)

HANGER/SUPPORT PRODUCTS

DUCT HANGER "Z" STYLE

DX14xx

xx = 08, 09, 10 (Length)



STRAPPING COIL

DX16xyyyzz

x = 1 or 2 (Width inches)

yyy = 100 (Length feet)

zz = 24 (GA) Blank for 26GA

Options: P (Perforated)



ADJUSTABLE DUCT HANGERS

DX20xx

xx = 16, 24 (Length adjustable to)

Options: P (Prong/Spear Tip)

T (Tab/Screw Tip)



"U" CHANNELS

DX08xyyyzz

xx = (Side 1 dimension)

yy = (Side 2 dimension)

zz = 036, 060, 096 (U Chnl Length)

Standard 26GA



PIPE HANGER

DX14xx

xx = 14, 16, 24 (Length)



DUCT HANGER "L" STYLE

DX19xyyyzz

x = 1 (Width inches)

yyy = 008-018 (Length inches)

zz = 18 (GA)



DUCT HANGER STRIPS

DX15xyyyzz

x = 1, 1.5, 3 (Width inches)

yyy = 012-120 (Length inches)

zz = 18, 22, 24, 26, 30 (GA)

No holes standard



SUPPORT BRACKETS

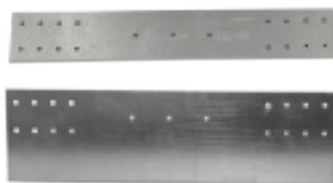
DX17xyyyzzhh

xx = 015, 03, 05 (1.5", 3", 5" Width)

yy = 18, 28 (Length inches)

zz = 16, 18 (GA)

hh = 9, 16, 19 (# holes)



BRIDGE SPEARS

RX95xyy

x = 1 (Width)

yy = 16, 20 (Length)

Standard 18GA



ANGLE STRIPS

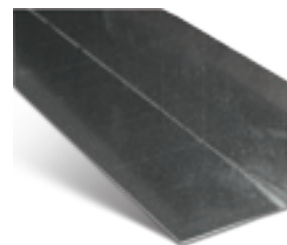
DX18xyyyzzaa

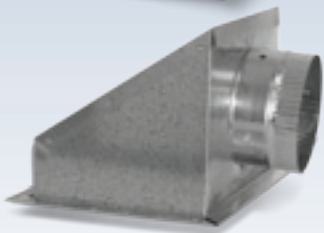
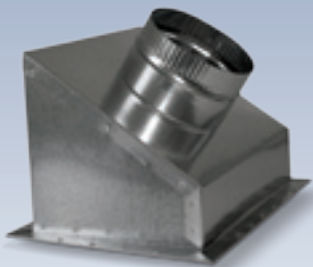
xx = (Side 1 dimension)

yy = (Side 2 dimension)

zz = 018-0120 (Angle Length)

aa = 26, 28, 24, 22, 18 (GA)





INSULATED CEILING BOX – ANGLE

RB65xyyyzza

xx = 08-14 (Register Length)

yy = 06-14 (Register Width)

zz = 04-10 (Diameter out)

a = R4, R6, R8 (Insulation factor)

Options: F = Flange, FS=CRD Installed
Specify collar angled or collar straight.



INSULATED CEILING BOX – SIDE

RB61xyyyzza

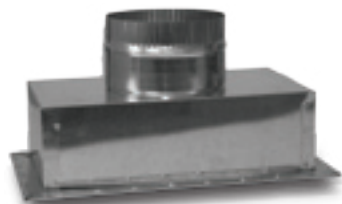
xx = 06-24 (Register Length)

yy = 06-24 (Register Width)

zz = 04-20 (Diameter out)

a = R4, R6, R8 (Insulation factor)

Options: F = Flange, FS=CRD Installed



INSULATED CEILING BOX – TOP

RB62xyyyzza

xx = 06-24 (Register Length)

yy = 06-24 (Register Width)

zz = 04-20 (Diameter out)

a = R4, R6, R8 (Insulation factor)

Options: F = Flange, FS = CRD Installed



INSULATED BOXES

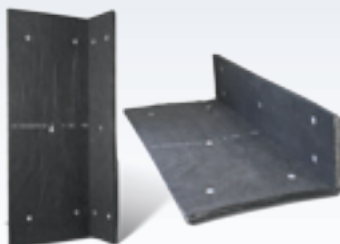
DX46xyyyzza

xx = 12-30 (Width)

yy = 12-30 (Length)

zz = 12-30 (Height)

a = R4, R6, R8 (Insulation factor)



INSULATED RECTANGULAR DUCT

DT01xyyyzza 26GA

DT02xyyyzza 28GA

DT03xyyyzza 24GA

xx = 08-30 (Slip dimension)

yy = 08, 10, 12 (Drive dimension)

zz = 33, 36, 48, 60, 96 (Length)

a = R4, R6, R8 (Insulation factor)



INSULATED PLENUMS (NO TOP)

PL11xyyyzza

xx = 10-28 (Plenum Width)

yy = 12-30 (Plenum Depth)

zz = 12-60 (Plenum Height)

a = R4, R6, R8 (Insulation factor)

Note: All dimensions are outside dimensions and do NOT consider insulation thickness.

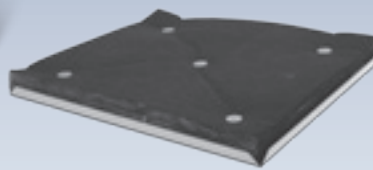
Standard 4 sides, x-broke. Top (PX18) ordered separately.

Options: Two Piece Designs, Flange In/Out, Hem, R4, R6, R8 Insulation

Example: 16 x 20.5 x 48 R6 Insul Plenum
PL11162048R6A

All insulated products, except ceiling boxes, measure **OUTSIDE** metal dimensions and **DO NOT** consider insulation thickness.

Example: 16x20x48 R8 insulated plenum has a 12x16 air channel.



INSULATED PLENUM TOPS

PX18xyyyza

xx = 10-28 (Plenum Width)

yy = 12-36 (Plenum Length)

a = R4, R6, R8 (Insulation factor)



INSULATED FURNACE BOX

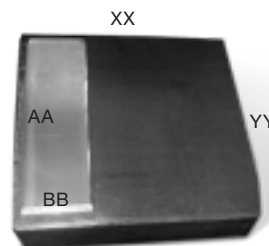
CA50xyyyzza

xx = 14-40 (Box Depth)

yy = 14-28 (Box Width)

zz = 06-24 (Box Height)

a = R4, R6, R8 (Insulation factor)



INSULATED FURNACE SUPPORT BOX

CA40xyyyg

Solid

Style 12" High

CA40xyyyaabbg

Cutout

Style 10" High

xx = 18-48 (Overall Box Length)

yy = 17-30 (Overall Box Width)

aa = 24, 25 (Cutout Length)

bb = 08, 10, 12 (Cutout Width)

g = R4, R6, R8 (Insulation factor)



RETURN AIR PAN, NO COLLAR

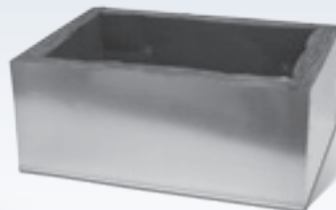
CA58xyyyzza

xx = 10-24 (Wdith)

yy = 10-24 (Length)

zz = 04-16 (Height, Standard = 4")

a = R4, R6, R8 (Ductboard Insulation factor)



RETURN AIR BOX – INSULATED

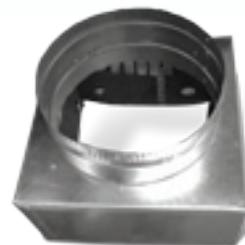
CA59xyyyzza No Collar

xx = 10-24 (Wdith)

yy = 10-24 (Length)

zz = 10-24 (Height, Standard = 6")

a = R4, R6, R8 (Insulation factor)



INSUL. RETURN AIR BOX W/COLLAR

CA60xyyyzza w/Collar

xx = 06-24 (Wdith)

yy = 06-24 (Length)

zz = 06-20 (Collar diameter)

a = R4, R6, R8 (Ductboard Insulation factor)



INSUL. STACKHEAD, RETURN AIR

SX76xyyyaabbg

xx = 14, 16, 20, 25 (Wall register width)

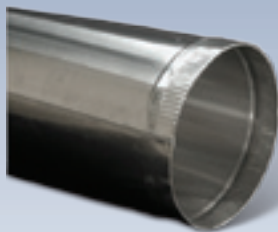
yy = 20, 24, 25 (Wall register height)

aa = 14, 16, 20, 25 (Floor opening width)

bb = 10, 12 (Floor opening length)

g = R4, R6, R8 (Insulation factor)

ALUMINUM PRODUCTS



ALUMINUM PIPE

AP01xxyy

xx = 03-18 (Diameter)

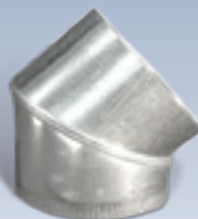
yy = 24, 48, 60 (Length)



ALUMINUM ELBOW

AX53xx

xx = 03-16 (Diameter)



ALUMINUM ANGLE

AX50xx

xx = 03-16 (Diameter)



ALUMINUM LONG RADIUS ELBOW

AX54xx

xx = 03-16 (Diameter)

Use in dryer venting applications



ALUMINUM COLLAR

AX10xx (412A) No Crimp

AX11xx (413A) Crimped

xx = 04-12 (Diameter)



ALUMINUM LONG COLLAR

AX12xx (416A)

xx = 04-12 (Diameter)



ALUMINUM REDUCER

AX41xxyy (431A)

xx = 04-16 (Larger diameter)

yy = 03-14 (Smaller diameter)



ALUMINUM TRIM COLLAR

AX09xx

xx = 04-12 (Diameter)



ALUMINUM RAIN CAP

AX28xx (30A)

xx = 04-12 (Diameter)



ALUMINUM TEE

AX70xx (352A)

xx = 04-16 (Diameter)

BLACK STEEL PRODUCTS



BLACK PIPE

BP01xxyy

xx = 04-14 (Diameter)

yy = 12, 24 (Length)



BLACK DRAWBAND

BX01xx (410B)

xx = 03-14 (Diameter)



BLACK CAP REDUCER

BX23xxyy (451B) No Crimp

BX24xxyy (450B) Crimped

xx = 04-06 (Smaller Diameter, Crimp)

yy = 06-08 (Larger Diameter)



BLACK TAPERED REDUCER

BX40xxyy (430B) No Crimp

BX41xxyy (431B) Crimped

xx = 03-09 (Smaller Diameter, Crimp)

yy = 04-12 (Larger Diameter)



BLACK TRIM COLLAR

BX10xx

xx = 04-14 (Diameter)



BLACK CAP

BX21xx (421B) No Crimp

BX22xx (422B) Crimped

xx = 04-14 (Diameter)

BLACK STEEL PRODUCTS (CONT.)



BLACK TAPERED INCREASER

BX43xxyy (432B) Crimp

xx = 03-09 (Smaller Diameter)

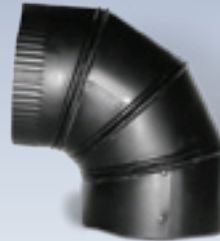
yy = 04-12 (Larger Diameter, Crimp)



BLACK ANGLE

BX50xx

xx = 06-14 (Diameter)



BLACK ELBOW

BX53xx

xx = 04-14 (Diameter)



BLACK TEE

BX70xx (352B)

xx = 04-14 (Diameter)

STAINLESS PRODUCTS



ROUND STAINLESS STEEL PIPE

NP01xxyy

xx = 16-35 (Diameter)

yy = 12-36 (Length)

Hammer Lock



STAINLESS STEEL TRIM COLLAR

NX10xx

xx = 04-16 (Diameter)



STAINLESS STEEL RAIN CAP

NX28xx (30SS)

xx = 03-16 (Diameter)



STAINLESS STEEL ADJ. ELBOW

NX53xx

xx = 03-24 (Diameter)



STAINLESS STEEL START COLLAR

NX11xx (413S) Crimp

xx = 04-18 (Diameter)



STAINLESS TAPERED REDUCER

NX41xxyy (431S) No Crimp

xx = 03-14 (Smaller Diameter)

yy = 04-18 (Larger Diameter)



STAINLESS STEEL CONNECTOR

NX58xx

xx = 06-08 (Diameter)



STAINLESS STEEL DRAWBAND

NX01xx (410S)

xx = 03-12 (Diameter)



STAINLESS STEEL CAP

NX21xx (421S) Crimp

xx = 03-14 (Diameter)



STAINLESS STEEL ADJ. ANGLE

NX50xx

xx = 03-20 (Diameter)



STAINLESS STEEL TEE

NX70xx (352S)

xx = 03-18 (Diameter)

All branches equal size

STAINLESS STEEL SPECS

Standard 304 Grade,
24GA Stainless

STEEL SHEETS

GALVANIZED STEEL SHEETS

GS01xxyyyzz

Specify G30, G60, or G90

STAINLESS STEEL SHEETS

NS01xxyyyzz

BLACK STEEL SHEETS

BS01xxyyyzz

PVC COATED STEEL SHEETS

VS01xxyyyzz

ALUMINUM SHEETS

AS01xxyyyzz

xx = 24, 36, 48 (Width)
yyy = 096, 120 (Length)
zz = 30, 28, 26, 24, 22 (GA)
Call for latest availability and pricing

Lukjan offers flat sheets as a convenience to its customers and will be happy to ship these along with an order for other prefabricated sheet metal products. Minimum order is 25 sheets per type (26GA - 4x8, etc.).

MISCELLANEOUS



LUKJAN PRODUCT CATALOG

LC01

Specify quantity



DUCT SIZING CALCULATOR

LC02

Specify quantity

GALVANIZED ROOF FLASHING

EX20xxzz

xx = 03-34 (Diameter)

zz = 22, 24, 26 (GA)

Standard is Pitched

Options: TC (Tall Cone)



GALVANIZED RAIN CAP

RX28xx (30)

xx = 03-36 (Diameter)



GALVANIZED DRAWBAND

RX01xx (410)

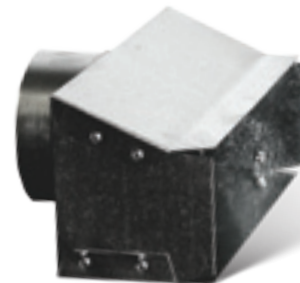
xx = 03-20 (Diameter)



GALVANIZED CHIMNEY THIMBLE

RX05xx (415)

xx = 03-12 (Diameter)



RANGE HOOD

SX86xxyyyz

xx = 03 (Range Hood width)

yy = 10 (Range Hood length)

zz = 04-07 (Diameter)



GALVANIZED TRIM COLLAR

RX09xx

xx = 03-36 (Diameter)

26GA sizes 3"-22", 24GA 24"-36"



WELDED CONDENSING UNIT BRACKET

EX40xxyy

xx = 30 (Width)

yy = 30, 36, 42 (Length)

Rated at 800 lbs.

Lukjan has extensive manufacturing capabilities available and can help design and build custom products and solutions for any job. Whether it's new home construction, retrofit or light commercial applications, Lukjan can build quality sheet metal products and develop solutions that can

save your customers custom fabrication costs, setup and installation time thereby giving them a competitive edge. Call us with your ideas and challenges and we'll see if we can develop a solution tailored for your market.

STEEL INFORMATION

Galvanized

Hot-dipped galvanized commercial steel is carbon steel sheet coated with zinc on two sides by the continuous hot-dipped process. This process results in a layer of zinc on each side of the steel sheet that is tightly adhering to the steel thru the formation of an iron-zinc alloy bonding layer that is formed by a diffusion process while the heated steel strip is in contact with the molten zinc. The galvanized coating is essentially pure zinc with trace amounts of aluminum (0.20 – 0.30%). The aluminum is added to improve the adhesion process between the zinc coating and the steel substrate.

Coating Weights are specified as G30, G60 and G90 and represent zinc weight (mass) for both sides of the galvanized sheet. G30 = 0.30 oz/ft², G60 = 0.60oz/ft² and G90 = 0.90 oz/ft². G30 is the most commonly used for residential HVAC and G90 used primarily in commercial applications.

Galvanneal

Galvanneal is similar to Galvanized in that they are both made by the hot-dip coating process. The main difference in the production process is that, to make a galvannealed coating, the strip is further heated by passing it through a furnace directly above the coating bath. By heating to approximately 1000 to 1050°F (538 to 565°C) and holding the strip at this temperature for a specific amount of time, the zinc coating alloys with iron by diffusion between the molten zinc and iron from the steel strip. The result is that the final product has a coating that is an alloy of approximately 90% zinc and 10% iron. The final iron concentration depends on the heating cycle since the total amount of diffusion is a function of the time/temperature cycle. One of the primary attributes of the galvannealed coating is that the surface accepts paint very readily and the zinc-iron alloy coating can be welded more easily than galvanized and the coating is harder than a galvanized coating and is thus more resistant to scratching and manufacturing damage.

Common Coating Weights are designated as A25, A40 and A60. (A25 = 0.25 oz/ft² both sides)

Galvalume

Galvalume steel is carbon steel coated with an aluminum zinc-alloy. The typical composition of the coating is 55% aluminum and 45% zinc. The coating is applied to the base metal in a continuous hot dip coating method. Galvalume is a product of choice for most agricultural, commercial, industrial and rural applications and thus not as economical for residential HVAC applications.. Under typical corrosive conditions, the coating generally will last much longer than a Galvanized coating of comparable thickness. Galvalume is two to four times as corrosion resistant as G 90 coated steel in outdoor marine, rural, and industrial environments. Galvalume will maintain its bright appearance and reflectivity in long-term service at temperatures up to 600 degrees Fahrenheit. The aluminum-zinc alloy coating provides excellent atmospheric corrosion resistance in a wide range of environments under many diverse conditions. The alloy coating of aluminum and zinc gives a combination of long-term corrosion resistance and galvanic protection at scratches and cut edges. Galvalume sheet can be arc welded with the shielded metal-arc and gas metal-arc processes.

Coating Weights are defined as AZ-50, AZ-55 and AZ-60. (AZ55 = 0.55 oz/ft² both sides)

Stainless Steel

Stainless Steels are iron-base alloys containing Chromium. Stainless steels usually contain less than 30% Cr and more than 50% Fe. Stainless Steel is not a single metal but an alloy that is a material made from two or more separate elements alloyed or "melted" together. They attain their stainless characteristics because of the formation of an invisible and adherent chromium-rich oxide surface film. This oxide establishes on the surface and heals itself in the presence of oxygen. Corrosion resistance and mechanical properties are commonly the principal factors in selecting a grade of stainless steel for a given application.

Type 304 (18-8) is an austenitic steel possessing a minimum of 18% chromium and 8% nickel, combined with a maximum of 0.08% carbon. The 18% minimum chromium content provides corrosion and oxidation resistance. Type 304, or one of its modifications, is the material specified more than 50% of the time whenever a stainless steel is used.

Type 316 is also austenitic, non-magnetic, and thermally non-hardenable stainless steel like Type 304. What distinguishes Type 316 from Type 304 is the addition of molybdenum up to a maximum of 3%. The molybdenum gives 316 better overall corrosion resistant properties than Grade 304, particularly higher resistance to pitting and crevice corrosion in chloride environments.

AglON Anti-microbial Coated Steel

AglON is an anti-microbial compound containing as the name implies, silver IONs that react with moisture to inhibit mold and mildew growth. When the silver ions come into contact with bacteria and other microbes, their chemical interaction disrupts electron transfer and respiration, suppressing microbe growth on the product. The AglON anti-microbial compound is blended

into a paint system, which is applied to the steel using a continuous-roll coil coating process. The coating is cured at more than 400°F, eliminating VOC (volatile organic compound) emissions.

The compound can be applied to either carbon or stainless steel, coated on one or both sides. The AglON antimicrobial compound has been registered with the Environmental Protection Agency (EPA) for use in heating, ventilating and air conditioning components.

PVC Coated Steel

Polyvinyl chloride (PVC)-coated steel is used for fume exhaust, underslab, and underground duct systems. The PVC coating is applied to both sides of the steel with the exterior typically 4 mil thickness to provide maximum corrosion protection and an interior coating of one mil.

Black Coated Steel

Black coated steel is a standard 24GA steel with a high temperature, scratch resistant black paint coating one side. Various coatings exist but all provide added protection of the steel surface and some resistance to discoloration in higher heat applications.

Aluminum

Aluminum Alloy 3003-H14 is an excellent metal for general sheet metal work where only moderate strength but superior corrosion resistance is required. The terminology for the thickness of aluminum sheets does not use a Gauge number – like Galvanized or other carbon steel – it is instead requested by its' actual decimal thickness in inches. There are many alloys of Aluminum; 3003 is widely used as a general-purpose alloy for moderate-strength applications requiring good workability. The density of aluminum is approximately 1/3 that of galvanized steel.



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LUKJAN METAL PRODUCTS

P.O. BOX 357
645 INDUSTRY ROAD
CONNEAUT, OHIO 44030
(440) 599-8127 FAX: (440) 593-6237

111 KINGS ROAD
KINGS MOUNTAIN, NC 28086
(704) 734-0544 FAX: (704) 734-0993

WEB SITE:
WWW.LUKJAN.COM

EMAIL:
SALES@LUKJAN.COM



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