Lukjan
METAL PRODUCTS
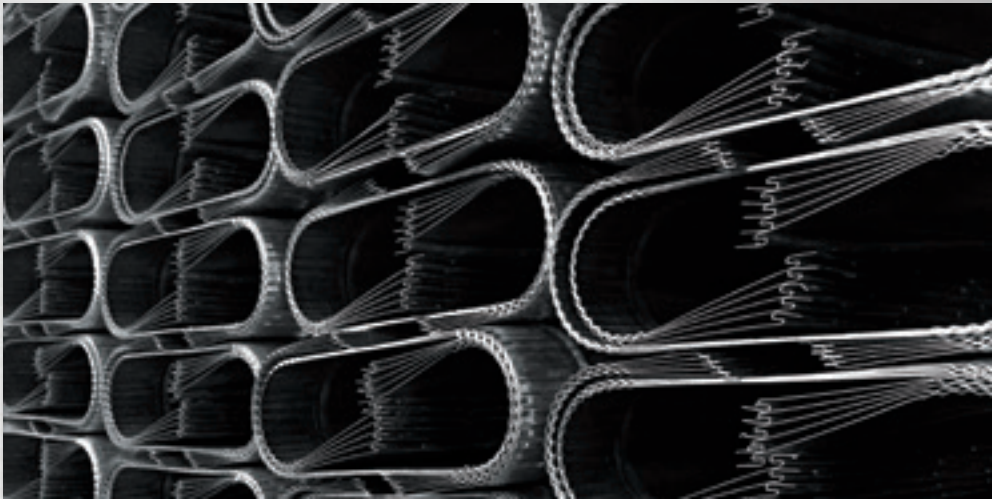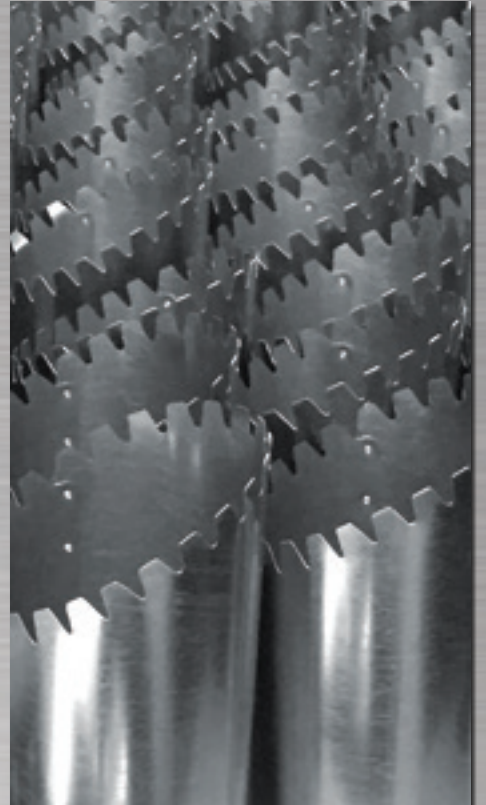
ABOUT LUKJAN

Lukjan Metal Products has been manufacturing high quality sheet metal pipe, duct and fittings to the Wholesale HVAC Industry since 1964. Lukjan started in a small garage in Conneaut, Ohio and quickly expanded into its now current flagship 250,000 square foot plant approximately 4 miles away in the same town. Seeing expanding opportunity in the southern market, Lukjan purchased a 220,000 square foot building in Kings Mountain, N.C. and began production operations, August 2006. This greenfield operation expanded Lukjan's service footprint to now cover over twenty states. Having weathered the worst housing market crash in history, Lukjan continued its growth plans in the Midwest markets with the acquisition of another family owned business, Midwest Ducts in March 2016. This facility added another 90,000 square feet and further extended Lukjan's reach to over 25 states. Continued growth in the economy and housing market strength presented another opportunity in the Great Plains market with the purchase of a fourth facility in Sidney, Nebraska in June 2017. Another greenfield operation, Lukjan Great Plains adds another 200,000 square feet of manufacturing capacity and provides Lukjan with access to the HVAC Wholesaler market in over 30 states and Canada.

Even with its rapid growth, Lukjan remains a family owned and operated business following three simple 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.
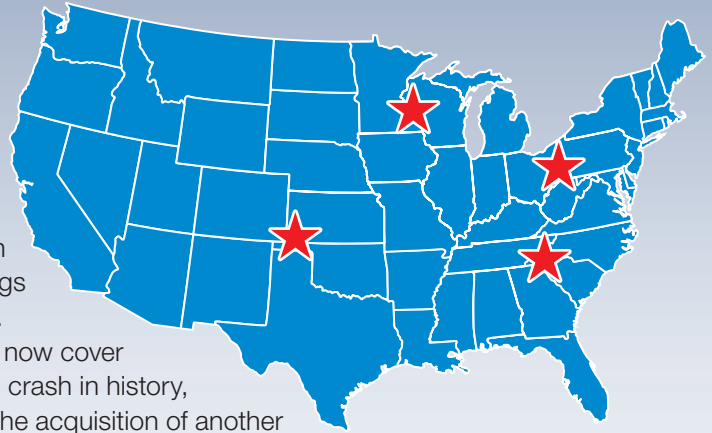
METAL SHIPPING RACKS

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 service to our wholesalers/distributors for the handling and storage of Lukjan product only.
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 and will be billed at time of shipping.
4. 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.

DAMAGED GOODS

Product **received** in damaged conditioned 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 re-salable condition and is a standard part. Custom made metal products will not be accepted. All returns are subject to a minimum **25%** restocking and handling fee. Some restock charges may be higher depending on the specific product volume.

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 a Lukjan Product Code. 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 14,000 items is available on-line at **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

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

PRODUCT INDEX

NORTH P 440.599.8127   **SOUTH** P 704.734.0544   **MIDWEST** P 800.596.4400   **GREAT PLAINS** P 308.210.9710
F 440.593.6237   F 704.734.0993   F 715.455.1110   F 308.210.9720

3

Fittings list DRIVE dimension first, SLIP second while Duct lists SLIP first and DRIVE second.
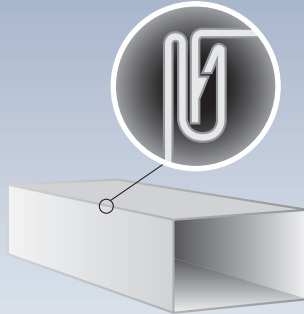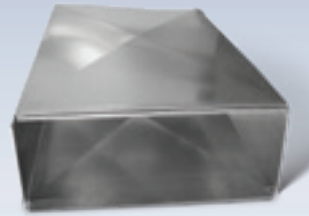
Button Lock
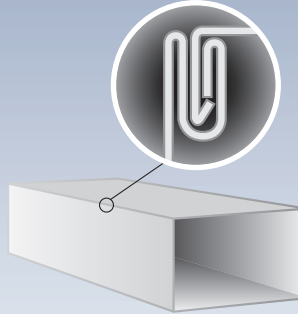
E-Lock

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		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

DT01xxyyzz   **26GA**
DT02xxyyzz   **28GA**
DT03xxyyzz   **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

DRIVE CLEATS

DX10xxxyy
xxx = 06-120 (Length)
yy = 28, 26, 24 (GA)

"S" CLEATS

DX12xxxyy
xxx = 06-120 (Length)
yy = 28, 26, 24 (GA)

STANDING "S" CLEATS

DX13xyyyzz
x= 1 (1" Hem) or 5 (5/8" Hem)
yyy = 60, 96, 120 (Length)
zz = 24 (GA, Blank = 26)
Example: DX135120 = 5/8" x120" 26GA

SQUARE THROAT

ROUND THROAT

VERTICAL (SHORTWAY) ELBOW

DX21yyxx   **(307)**
yy = 08, 10, 12, 14, 16, 20 (Drive dimension)
xx = 08-32 (Slip dimension)

Lukjan can install Turning Vanes on any duct fitting. Call for more info.
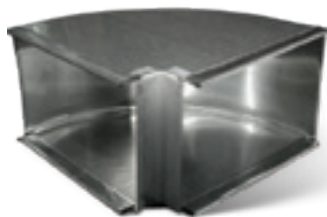
SQUARE THROAT
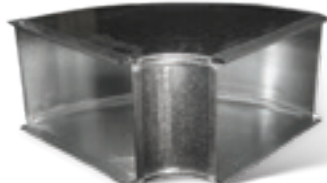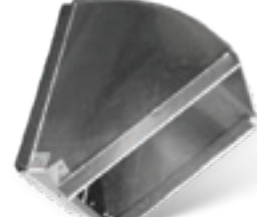
ROUND THROAT
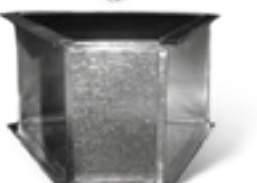
HORIZONTAL (LONGWAY) ELBOW

DX25yyxx   **(525)**
yy = 08,10,12,14,16,18,20 (Drive dimension)
xx = 08-32 (Slip dimension)

SQUARE THROAT

ROUND THROAT

VERTICAL (SHORTWAY) ANGLE

DX23yyxx   **(314)**
yy = 08, 10, 12, 14 (Drive dimension)
xx = 08-32 (Slip dimension)

HORIZONTAL (LONGWAY) ANGLE

DX27yyxx   **(532)**
yy = 08,10,12,14 (Drive dimension)
xx = 08-32 (Slip dimension)

END CAPS, 2" EXT.

DX45yyxx   **(512)**
yy = 04-12 (Drive dimension)
xx = 08-32 (Slip dimension)

END CAPS

DX44yyxx   **(512)**
yy = 04-18 (Drive dimension)
xx = 08-30 (Slip dimension)

OFFSET START COLLAR

DX31yyxx   **(519)**
yy = 08,10,12 (Drive dimension)
xx = 08-32 (Slip dimension)
Standard offset 3"

RECTANGULAR START COLLAR

DX33yyxx   **(520)**
yy = 04,06,08,10,12,14,15,18 (Drive dimension)
xx = 08-32 (Slip dimension)
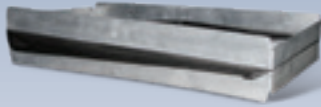
FLEXIBLE DUCT CONNECTOR

DX36yyxx

yy = 08-20 (Drive dimension)
xx = 08-24 (Slip dimension)
Isolates furnace vibration from duct system.

RECTANGULAR DUCT DAMPERS

DX50yyxx

yy = 8, 10, 12 (Drive dimension)
xx = 08-50 (Slip dimension)

TRIANGLE BOX

DX47xxyyzzaa

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
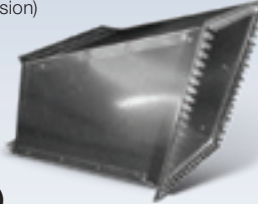
TRANSITION

DX82yyxx   **(518)**

xx = 08-38 (Slip dimension)
yy = 8, 10, 12 (Drive dimension)
Add "D" for Transition with Damper

DUCT REDUCERS

DX41yyxxbbaa   **(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
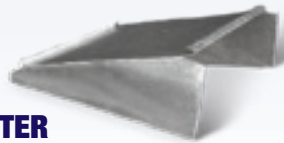
DUCT ADAPTER

DX80aayy   **(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

REDUCERETTE

DX79aayy

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

GALVANIZED ROUND PIPE

RP01xxyyzzz

RP05xxyyzzz (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)
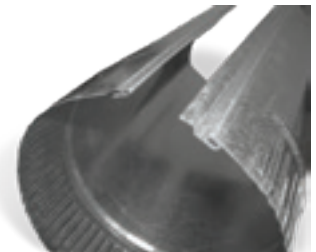
QUIK-SEAL ROUND PIPE

RP06xxyyzzz

RP07xxyyzzz **(Unboxed 4"- 8")**

xx = 04-16 (Diameter)
yy = 30, 26, 24 (GA)
zz = 036, 048, 060, 120 (Length)

Button Lock

Snap Lock

Quik-Seal Button 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
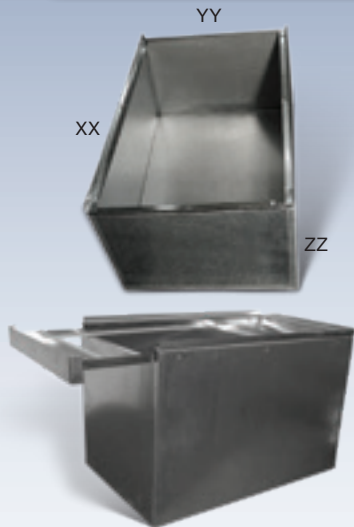
FURNACE BOX (OPEN TOP)

CA50xxyyzz

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.
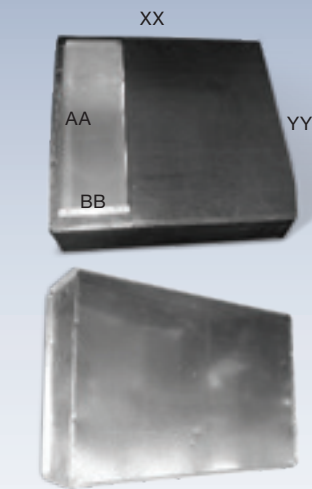
FURNACE SUPPORT BOX

CA40xxyy
Solid Style 12" High
CA40xxyyaabb
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)
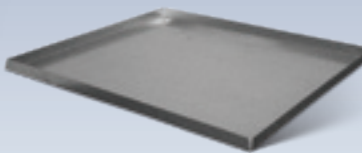
STARTER BASE

CA42xxyy
xx = 13-22 (Width)
yy = 20-30 (Length)

FILTER FRAME, WISE

CA72xxyyz
xx = 14, 16, 20, 25 (Filter Height)
yy = 20, 24, 25, 30 (Filter Length)
z = 1, 3 (Filter Width)
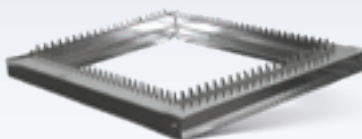
FILTER FRAMES (1" FILTERS)

CA20xxyyz
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

CA74xxyyz
xx = 14-25 (Filter Height)
yy = 20-25 (Filter Height)
z = 1, 3, 5, 6, 7 (Filter Width)
Hemmed both faces standard.
Options: SL=Sliding Door, H= Hinged

METAL DRAIN PANS

CA30xxyyzz
xx = 20-38 (Width)
yy = 24-80 (Length)
zz = 26, 24 (GA)
Standard w/one drain plug on long side
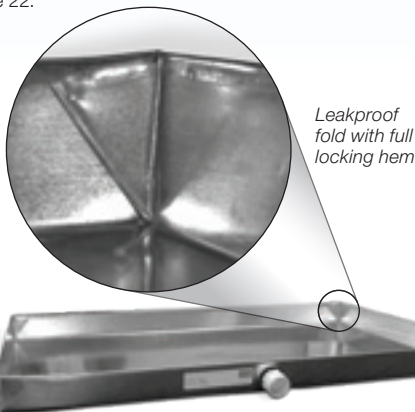
Leakproof fold with full locking hem

SQUARE-ROUND BOOT

RB55xxyyzz **(573)**
xx = 03-21 (Width)
yy = 06-30 (Depth)
zz = 04-24 (Round Takeoff Diameter)
Options: Flange Out, RAW, Offset Design
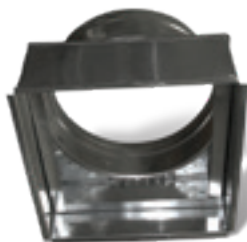
SQ-RD MOBILE HOME BOX

Same as SQ-RD BOOT but with filter ledge on inside
RB55xxyyzz**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
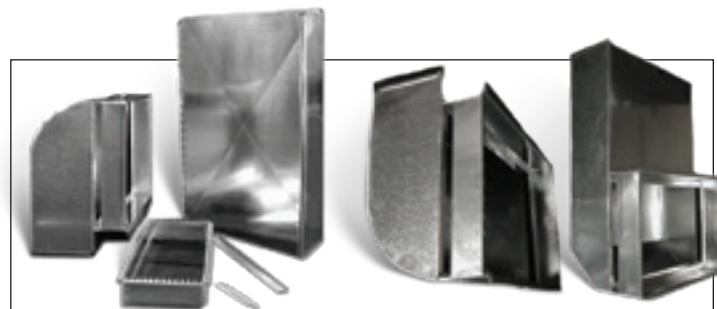
COLD AIR RETURN KITS

CA10xxyyaabb
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

CA12aabbxxyy
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
Slide-on filter cover

PLENUM RAIL
PX16xxyyy
xx = 10-28 (Plenum Width)
yyy = 046 or 056 (Plenum Length)

PLENUM CORNERS
PX20xxx
xx = 36, 60, 120 (Length)

COLD AIR FRAMES
CA16xxyyzz
xx = 10-40 (Opening width)
yy = 04-24 (Opening height)
zz = Overall frame width (16" or 24")
Standard is 4" + opening width

UNIVERSAL PLENUM SIDE
PX14xxzz
xx = 10-28 (Plenum Width)
zz = 12-60 (Plenum Height)
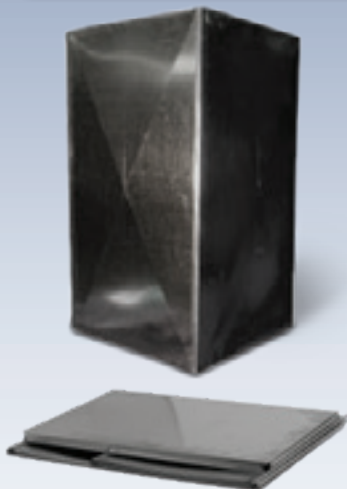
CUSTOM SIZED PLENUMS
PL10xxyyzz
xx = 10-28 (Plenum Width)
yy = 12-30 (Plenum Depth)
zz = 12-60 (Plenum Height)
Standard 4 sides, 1 cap, x-broke
Options: Double Top, Two Piece Designs,
Flange In/Out, Hem,
Fractional sizes end with A, B, etc.
Example: 16.5x20.5x48 = PL10162048A

Insulated Plenums available.
See page 23

USER MANUAL HOLDER
CA9001

UNIVERSAL PLENUM TOPS
PX18xxyy
xx = 10-28 (Plenum Width)
yy = 12-36 (Plenum Length)

SOLID COIL BOX
PX22xxyyzz
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
CA58xxyyzz
xx = 10-24 (Wdith)
yy = 10-24 (Length)
zz = 04-16 (Height, Standard = 4")
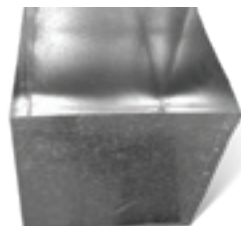
SUPPLY/RETURN AIR BOX – NO COLLAR
CA59xxyyzz **No Collar**
xx = 10-24 (Wdith)
yy = 10-24 (Length)
zz = 10-24 (Height, Standard = 6")
Specify R4, R6, R8 or with Flange (F)
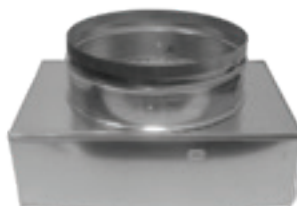
RETURN AIR BOX W/COLLAR
CA60xxyyzz **w/Collar**
xx = 06-24 (Wdith)
yy = 06-24 (Length)
zz = 06-20 (Collar diameter)
Standard Height 6"

STACKHEAD, RETURN AIR
SX76xxyyaabb
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
CA19xx (feet) **/ CA62**yy (inches)
xx = 05, 08, 10   yy = 16, 30, 60, 96
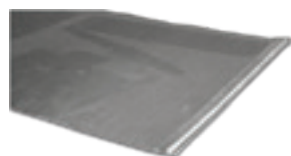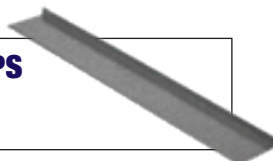
JOIST PANNING SHEETS
PS40xxyyy
xx = 16-35 (Width)
yyy = 030-048 (Length)
Standard 30GA, Options: U = Unboxed

JOIST HEADER PLATE
PX05xxyyzz
xx = 16, 36 (Width)
yy = 10, 12 (Length)
zz = 30, 26 (GA)
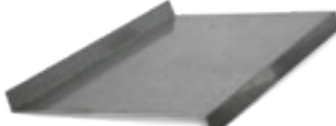
JOIST BLOCKOFF
PX06xxyyzz
xx = 16, 36 (Width)
yy = 10, 14 (Length)
zz = 30, 28, 26 (GA)

JOIST HEAD
PX07xxyyzz
xx = 16, 36 (Width)
yy = 10, 14 (Length)
zz = 30, 28, 26 (GA)

All Register boots can be made with 1" Flange.
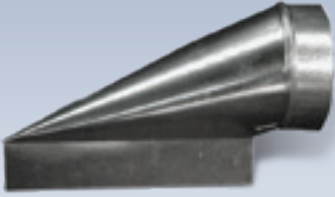
REGISTER BOOT, END
RB10xyyz **(L571)**
x = 2-12 (Register height)
yy = 06-14 (Register width)
z = 4-10 (Round opening)
Specify L = Left, R= Right

REGISTER BOOT, STRAIGHT
RB20xyyz **(L572)**
x = 2-12 (Register height)
yy = 06-14 (Register width)
z = 4-10 (Round opening)

REGISTER BOOT, ELBOW
RB30xyyz **(L575)**
x = 2-12 (Register height)
yy = 06-14 (Register width)
z = 4-10 (Round opening)

BASEMENT BOOT
RB45xyyz **(PH-1)**
x = 4-8 (Register height)
yy = 10-14 (Register width)
z = 4-8 (Round opening)
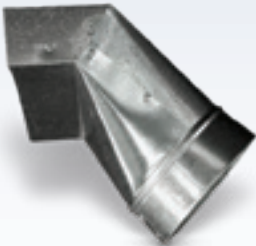
REGISTER BOOT, ANGLE
RB40xyyz **(L577)**
x = 2 - 8 (Register height)
yy = 10-14 (Register width)
z = 4-10 (Round opening)
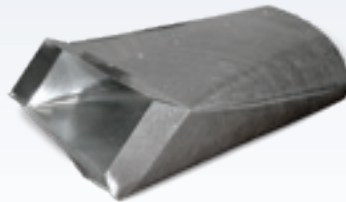
REGISTER BOOT, POOR BOY
RB20xyy**PB**
x = 2-6 (Register height)
yy = 08-14 (Register width)

REGISTER BOOT W/INTERGATED UL APPROVED CEILING RADIATION DAMPER & SHEET ROCK FLANGE
RB10xyyz**FS**a **End**
RB20xyyz**FS**a **Straight**
RB30xyyz**FS**a **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
RB92xxyyzzaabb
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)

BOOT RAIL
RB66xx
xx = 16, 20, 24, 26 (Length)

REGISTER BOOT, PERIMETER
RB43xyyz **(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 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.
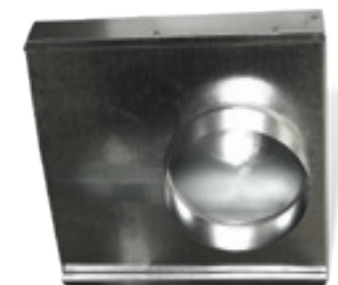
TOE KICK BOOT W/COLLAR
RB95xyyz
xx = 2, 3 (Register Height)
yy = 10, 12 (Register Length)
zz = 4, 6 (Round collar)
Toe Kick Boot w/Oval Collar OB95
available, see page 17.

ADJUSTABLE ELBOWS/ANGLES

ADJUSTABLE ELBOW
RX53xxyyzz
xx = 03-36 (Diameter)
yy = 30, 28, 26, 24 or 22 (GA)
zz = SB (Straight boxed)
    SR (Straight racked)
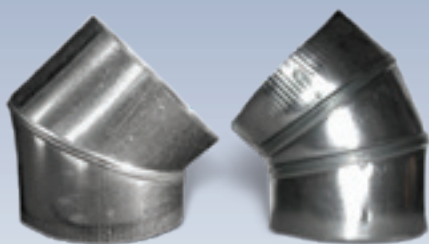
ADJUSTABLE ANGLE
RX50xxyyz
xx = 03-36 (Diameter)
yy = 30, 26, 24 or 22 (GA)
z = 3P (3 piece), 2pc. stndrd

LONG RADIUS ELBOW
RX54xxyy
xx = 03-20 (Diameter)
yy = 26 or 24 (GA)

STRAIGHT BOXED PACKAGING

SHEET METAL STARTING COLLARS

SHORT STARTING COLLAR
RX10xx **(412)** No Crimp
RX11xx **(413)** Crimped
xx = 04-40 (Diameter)

SHORT STARTING COLLAR WITH SOLID RING
RX10Rxx **(412R)** No Crimp
RX11Rxx **(413R)** Crimped
xx = 04-40 (Diameter)
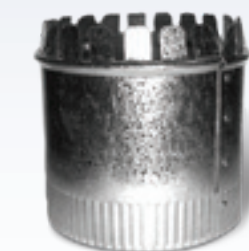
LONG STARTING COLLAR
RX12xx (416)
RX13xx (416D) w/Damper
xx = 04-36 (Diameter)
Options: RG (Solid Ring)
        S (Scoop)
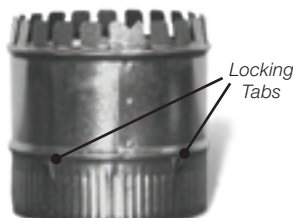
LONG CLINCH STARTING COLLAR
RX14xx **(417)**
Tabs help to lock flex on collar
xx = 04-28 (Diameter)

Locking Tabs

TABLOC LONG STARTING COLLAR
RX12Txx **(416T)**
RX13Txx **(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)

ROUND END CAP
RX21xxzz **(421)** No Crimp
RX22xxzz **(422)** Crimped
xx = 03-24 (Diameter)
zz = 22, 24 (GA) Blank = 26GA

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.

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)

ROUND ADJ. ADHESIVE TAKEOFF

TA30xx **(1325) No damper**
TA30Dxx **(1325D) Damper**
TA30DExx **(1325DE) Damper Ext Kit**
xx = 04-12 (Diameter)
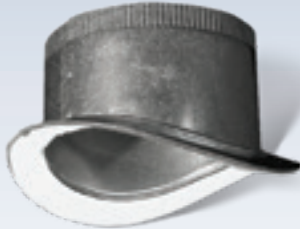
ROUND SADDLE ADHESIVE TO

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

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)

SQUARE CONICAL ADHESIVE TO

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

SQUARE ADJ. ADHESIVE TAKEOFF

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

HIGH EFFICIENCY TAKEOFF

TA57xx **(1573) No damper**
TA57Dxx **(1573D) Damper**
TA57DExx **(1573DE) 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)

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.

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 (AgION) coated steel. Call for special quote

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
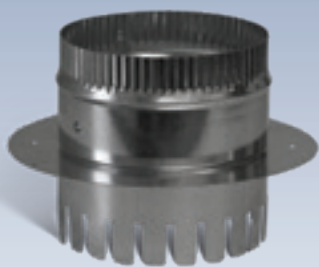
DUCTBOARD COLLAR–SOLID RING
DX76xx **(52)**
xx = 04-24
Options: L = 1.5" tabs R6
L2 = 2" Tabs R8

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

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
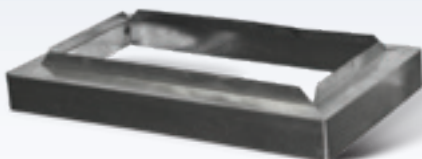
DB METAL BOOT FACE
Used in making DB ceiling boxes
CA75xxyyz
xx = 04, 06, 08 (Register Width)
yy = 8, 10, 12, 14 (Register Length)
z = 1, 2 (1 = R4, 2= R8)
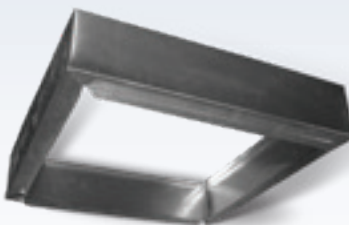
DUCTBOARD COLLAR BOX
For making DB Supply Air Boxes
DX83xxyyz
xx = 12-20 (Cold Air Vent Width)
yy = 12-24 (Cold Air Vent Length)
z = 3 (Standard Height)

ADUSTABLE 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
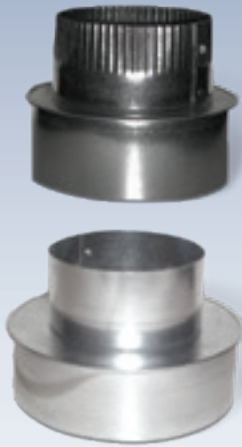
CAP REDUCER
RX23xxyy **(450) w/Crimp**
RX24xxyy **(451) No Crimp**
xx = 04-18 (Larger Diameter)
yy = 03-16 (Smaller Diameter)
Crimp on smaller diameter

CAP INCREASER
RX25xxyy **(452) w/Crimp**
xx = 04-18 (Larger Diameter)
yy = 03-16 (Smaller Diameter)
Crimp on larger diameter

TAPERED REDUCER
RX40xxyyzz **(430) w/Crimp**
RX41xxyyzz **(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
RX43xxyyzz **(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

XX

ZZ

AIRFLOW

YY

YY

AIRFLOW

YY

ZZ

XX

ZZ

XX

FLARED TEES
RX70xxyyzz **(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
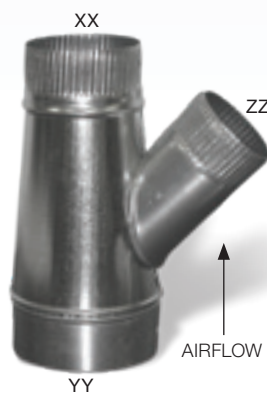
REDUCING WYE
RX79xxyyzz **(228)**
xx = 03-18 (Air exit diamter, crimped)
yy = 04-20 (Air entry diameter)
zz = 03-18 (Branch diameter, crimped)
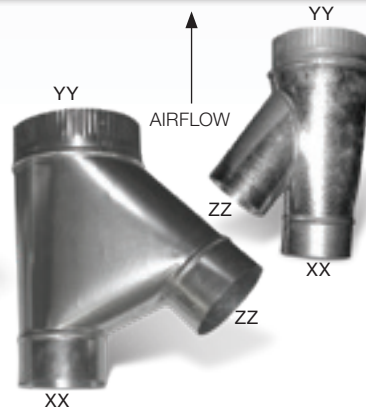
FLUE WYE
RX80xxyyzz **(229)**
xx = 03-18 (Air Entry, furnace side)
yy = 04-20 (Air Eixt, flue side, crimped)
zz = 03-18 (Air Entry, Branch diameter)

SWIVEL TEES
RX71xxyyzz
xx = 04-06 (Lower branch diameter)
yy = 04-07 (Body diameter)
zz = 03-06 (Upper branch diameter)

OLD STYLE TEES
RX75xxzz
xx = 04-08
zz = Blank for 26GA, 24 for 24GA

BRANCH WYE
RX81xxyyzz **(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.
RX82xxyyzz **(332)**
xx = 03-14 (Air Entry diameter)
yy = 03-12 (Branch 1, crimped)
zz = 03-12 (Adjustable Branch 2, crimped)

BRANCH WYE, DOUBLE ADJ.
RX83xxyyzz **(336)**
xx = 03-14 (Air Entry diameter)
yy = 03-12 (Adjustable Branch 1, crimped)
zz = 03-12 (Adjustable Branch 2, crimped)
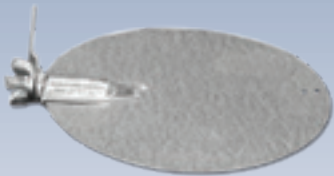
DAMPER W/ 1 HARDWARE
RX31xx (10)

xx = 03-12 (Diameter)
Damper blade, Spring loaded damper clip, washer, wing nut, handle all 5/16"
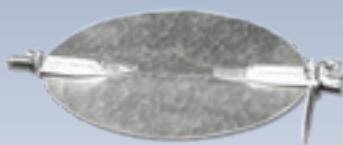
DAMPER W/ 2 HARDWARE
RX32xx (10)

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"
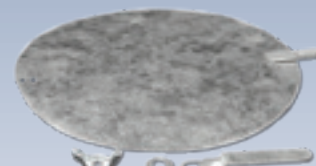
ECONOMY DAMPER W/ 1 HRDWR UNASSEMBLED
RX36xx (11)

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"

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)

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)

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

BUTTERFLY DAMPER
RX59xx

xx = 04 – 16 (Diameter)

DAMPER DISK BLANKS
HD06xx

xx = 03-36 (Diameter)
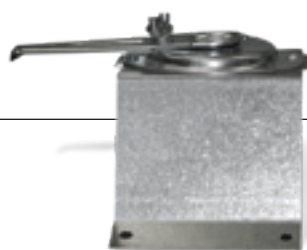
DAMPER EXTENSION KITS
RX30xxx

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

OVAL PIPE AND FITTINGS

OVAL PIPE

OP01xxyyy

xx = 05, 06, 07, 08, 10 (Oval dimension)
yyy = 060, 100, 112, 113, 120 (Length)
Other lengths available. Standard 30GA center seam, buttonlock.
Optional offset seam, 26GA.
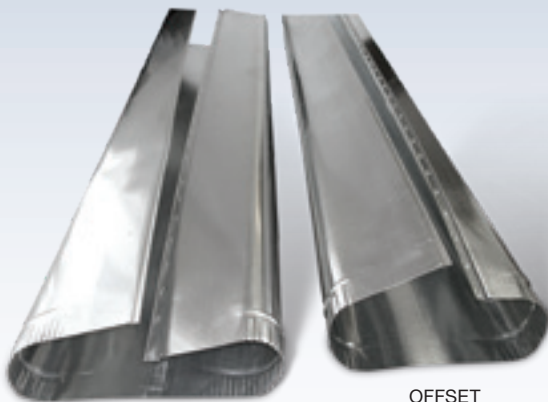
OFFSET

CENTER

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)
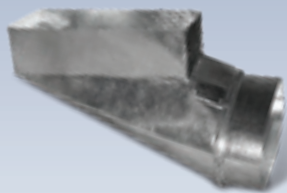
OVAL BOOT, END
OB10xyyz (L571O)
x = 2, 3, 4, 6 (Register height)
yy = 10, 12, 14 (Register width)
z = 5, 6, 7, 8 (Oval opening)

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)
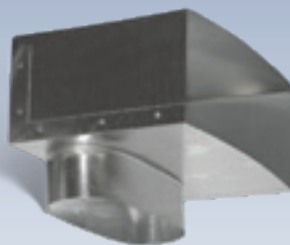
OVAL BOOT, ELBOW
OB30xyyz (L575O)
x = 2, 3, 4, 6 (Register height)
yy = 10, 12, 14 (Register width)
z = 5, 6, 7, 8 (Oval opening)
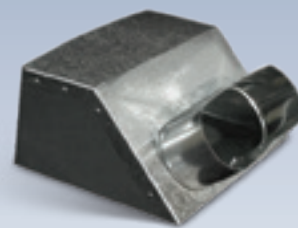
OVAL BOOT, ANGLE
OB40xyyz (L577O)
x = 2, 3, 4, 6 (Register height)
yy = 10, 12, 14 (Register width)
z = 5, 6, 7, 8 (Oval opening)
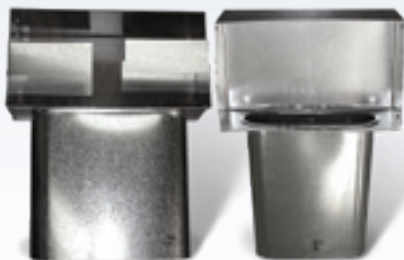
OVAL STACKHEAD
OX10xxyyz
xx = 4, 6, 8, 10 (Register height)
yy = 8, 10, 12, 14 (Register width)
z = 5, 6, 7, 8 (Oval opening)

OVAL STACKHEAD, DOUBLE
OX11xxyyz
xx = 4, 6, 8, 10 (Register height)
yy = 8, 10, 12, 14 (Register width)
z = 5, 6, 7, 8 (Oval opening)

OVAL STACKHEAD, SPLIT
OX12xxyyz
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
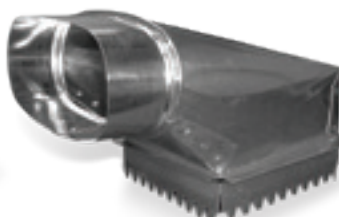
OVAL TOP TAKEOFF, DUCTBOARD
OX62xx (564ODB)
xx = 5, 6, 7, 8

OVAL ADHESIVE TAKEOFF
OX40xx (1329OV)
xx = 5, 6, 7, 8

OVAL DUCTBOARD START COLLAR
OX76xx (52Oval)
xx = 5, 6, 7, 8
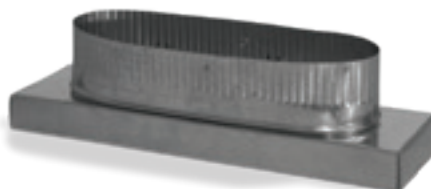
OVAL ADAPTER
OX70xyyz
xx = 2, 3, 4 (Stack height)
yy = 10, 12, 14 (Stack width)
z = 6, 7 (Oval opening)

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)
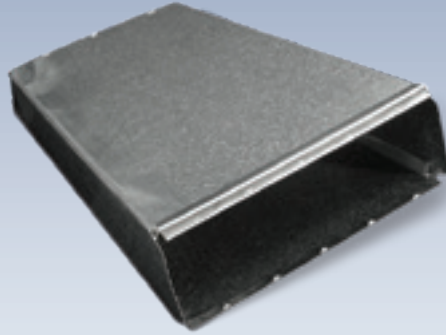
STACK BOOT, END
SB10xyyz
x = 2, 3 (Stack depth)
yy = 08, 10, 12, 14 (Stack width)
z = 4, 5, 6, 7, 8 (Round opening)
Standard with Stack Clips

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
SX23xxyy (314)
xx = 02, 03 (Stack depth)
yy = 08, 10, 12, 14 (Stack width)

WALLSTACK VERTICAL ELBOW
SX21xxyy (307)
xx = 02, 03 (Stack depth)
yy = 08, 10, 12, 14 (Stack width)
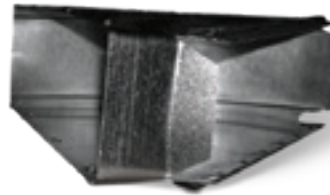
WALLSTACK HORIZONTAL ANGLE
SX27xxyy (532)
xx = 02, 03 (Stack depth)
yy = 08, 10, 12, 14 (Stack width)

WALLSTACK HORIZONTAL ELBOW
SX25xxyy (525)
xx = 02, 03 (Stack depth)
yy = 08, 10, 12, 14 (Stack width)

WALLSTACK STARTING COLLAR
SX33xxyy (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
SX24xxyy (524)
xx = 02, 03 (Stack depth)
yy = 08, 10, 12, 14 (Stack width)
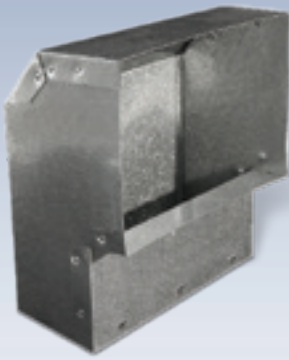
STACKHEAD, SHORT
SX70xyyabb (302)
x = 2, 3 (Stack depth)
yy = 10, 12, 14 (Stack width)
a = 4, 6, 8 (Register width)
bb = 10, 12, 14 (Register height)

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)
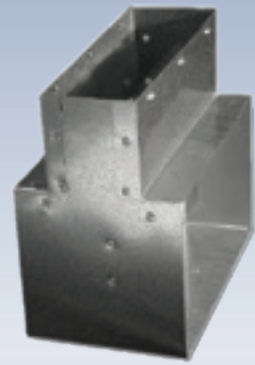
STACKHEAD, DOUBLE
SX73xyyabb (311)
x = 2, 3 (Stack depth)
yy = 10, 12, 14 (Stack width)
a = 4, 6, 8 (Register width)
bb = 10, 12, 14 (Register height)
bb = 10, 12, 14 (Register height)

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)
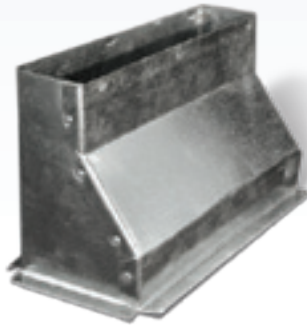
STACKHEAD
SX75xyyabb (315)
x = 2, 3 (Stack depth)
yy = 10, 12, 14 (Stack width)
a = 4, 6 (Register width)

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
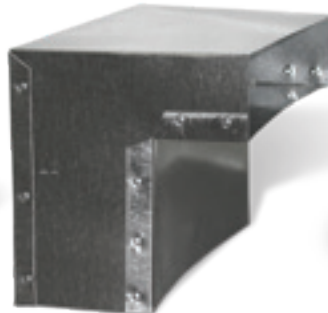
JIMMY BOOT
SX96xyyabb

WALLSTACK CONNECTOR
SX35xyy (604)
x = 2, 3 (Stack depth)
yy = 10, 12, 14 (Stack width)

WALLSTACK END CAP
SX44xyy (512)
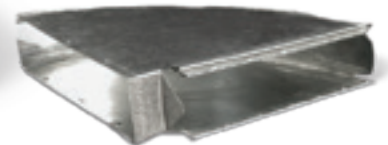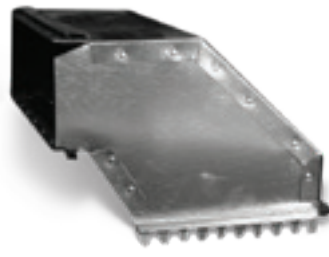x = 2, 3 (Stack depth)
yy = 10, 12, 14 (Stack width)

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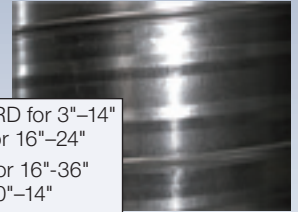
SMOOTH surface STANDARD for 3"–14"
Smooth surface also avail for 16"–24"
RAISED bead STANDARD for 16"-36"
Raised bead also avail for 10"–14"
Please specify when ordering

GALVANIZED SPIRAL ELBOWS
RX53xxyyGS

xx = 03-36 (Diameter)
yy = 22, 24, 26 (GA)
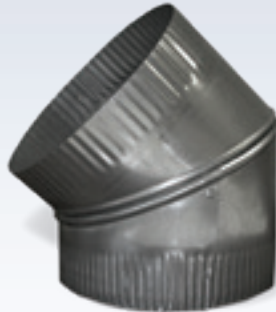
GALVANIZED SPIRAL ANGLES
RX50xxyyGS

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)

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)
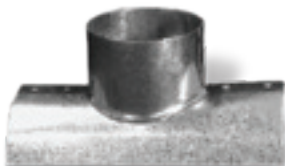
SPIRAL SADDLE FLUE W/90° TO
RX61xxyyzz (231)

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 PIPE
VP01xxyy
xx = 04-36 (Diameter)
yy = 02-20 (Length in FEET)
Options: Smooth or Raised Seam
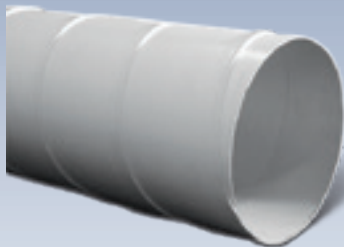
ALL PVC PRODUCTS
1 mil coating inside
4 mil coating outside

PVC ANGLE
VX50xx
x = 04-36 (Diameter)

PVC ELBOW
VX53xx
x = 04-36 (Diameter)
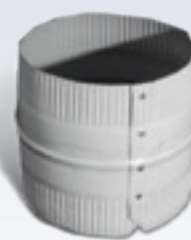
PVC STARTING COLLAR
VX11xx (416P)
x = 04-36 (Diameter)

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
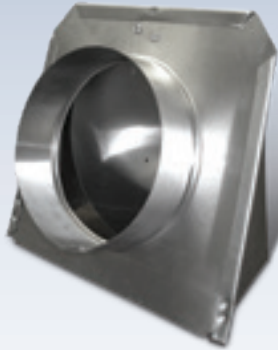
ALUMINUM FRESH AIR INTAKE
AX64xx
xx = 04-14
Standard with screen
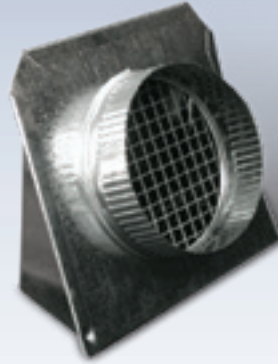
GALVANIZED DRYER VENTS
EX74xx
xx = 03-10
Standard with air flap

GALV. FRESH AIR INTAKES
CA64xx
CA64Dxx w/Damper
xx = 04-16
Standard with screen

DRYER WALL BOXES
EX30xxy
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)

PIPE HANGER
DX14xx
xx = 14, 16, 24 (Length)

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

STRAPPING COIL
DX16xyyyzz
x = 1 or 2 (Width inches)
yyy = 100 (Length feet)
zz = 24 (GA) Blank for 26GA
Options: P (Perforated)

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)

ADJUSTABLE DUCT HANGERS
DX20xx
xx = 16, 24 (Length adjustable to)
Options: P (Prong/Spear Tip)
         T (Tab/Screw Tip)
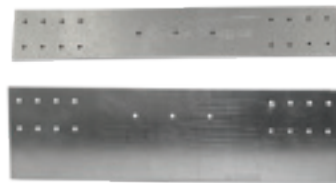
DUCT HANGER "L" STYLE
DX19xyyyzz
x = 1 (Width inches)
yyy = 008-018 (Length inches)
zz = 18 (GA)

BRIDGE SPEARS
RX95xyy
x = 1 (Width)
yy = 16, 20 (Length)
Standard 18GA

"U" CHANNELS
DX08xxyyzz
xx = (Side 1 dimension)
yy = (Side 2 dimension)
zz = 036, 060, 096 (U Chnl Length)
Standard 26GA

ANGLE STRIPS
DX18xxyyzzaa
xx = (Side 1 dimension)
yy = (Side 2 dimension)
zzz = 018-0120 (Angle Length)
aa = 26, 28, 24, 22, 18   (GA)
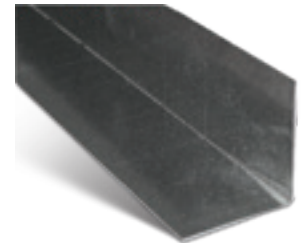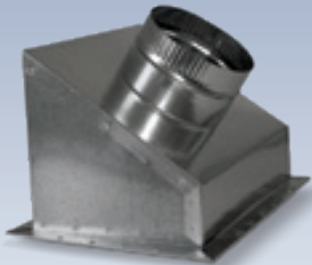
INSULATED CEILING BOX – ANGLE

RB65xxyyzza
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.

IINSULATED CEILING BOX – SIDE

RB61xxyyzza
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
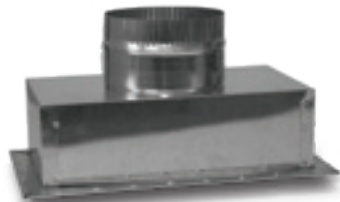
INSULATED CEILING BOX – TOP

RB62xxyyzza
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
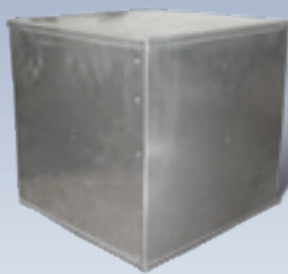
NSULATED BOXES

DX46xxyyzza
xx = 12-30 (Width)
yy = 12-30 (Length)
zz = 12-30 (Height)
a = R4, R6, R8 (Insulation factor)

INSULATED RECTANGULAR DUCT

DT01xxyyzza 26GA
DT02xxyyzza 28GA
DT03xxyyzza 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)
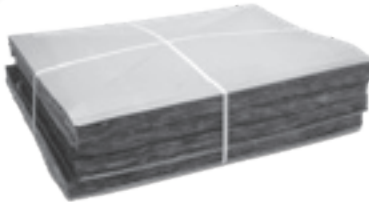
INSULATED PLENUMS (NO TOP)

PL11xxyyzza
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.
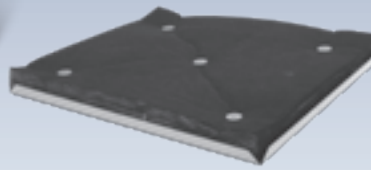
INSULATED PLENUM TOPS

PX18xxyya
xx = 10-28 (Plenum Width)
yy = 12-36 (Plenum Length)
a = R4, R6, R8 (Insulation factor)

INSULATED FURNACE BOX

CA50xxyyzza
xx = 14-40 (Box Depth)
yy = 14-28 (Box Width)
zz = 06-24 (Box Height)
a = R4, R6, R8 (Insulation factor)
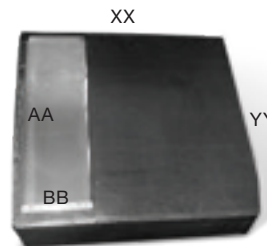
INSULATED FURNACE SUPPORT BOX

CA40xxyyg   Solid Style 12" High
CA40xxyyaabbg 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

CA58xxyyzza
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

CA59xxyyzza No Collar
xx = 10-24 (Wdith)
yy = 10-24 (Length)
zz = 10-24 (Height, Standard = 6")
a = R4, R6, R8 (Insulation factor)
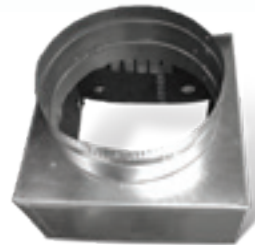
INSUL. RETURN AIR BOX W/COLLAR

CA60xxyyzza 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

SX76xxyyaabbg
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
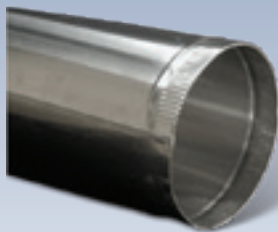
ALUMINUM PIPE
AP01xxyy
xx = 03-18 (Diameter)
yy = 24, 48, 60 (Length)

ALUMINUM ELBOW
AX53xx
xx = 03-16 (Diameter)
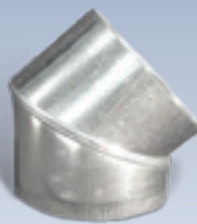
ALUMINUM ANGLE
AX50xx
xx = 03-16 (Diameter)

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 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

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 DRAWBAND
RX01xx (410)

xx = 03-20 (Diameter)

GALVANIZED TRIM COLLAR
RX09xx

xx = 03-36 (Diameter)
26GA sizes 3"-22", 24GA 24"-36"

GALVANIZED CHIMNEY THIMBLE
RX05xx (415)

xx = 03-12 (Diameter)

WELDED CONDENSING UNIT BRACKET
EX40xxyy

xx = 30 (Width)
yy = 30, 36, 42 (Length)
Rated at 800 lbs.
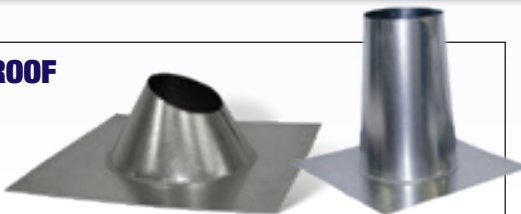
GALVANIZED RAIN CAP
RX28xx (30)
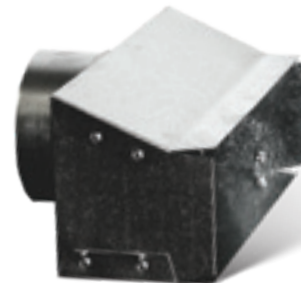
xx = 03-36 (Diameter)

RANGE HOOD
SX86xxyyzz

xx = 03 (Range Hood width)
yy = 10 (Range Hood length)
zz = 04-07 (Diameter)

CUSTOM PRODUCTS AND SOLUTIONS

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/ft^2, G60 = 0.60oz/ft^2 and G90 = 0.90 oz/ft^2. 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/ft^2 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 then 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/ft^2 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.

AgION Anti-microbial Coated Steel

AgION 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 AgION 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 AgION 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.

LUKJAN IS A LONGSTANDING MEMBER OF THE AIR DISTRIBUTION INSTITUTE (ADI) AND PARTICIPATES IN OTHER ASSOCIATIONS DEDICATED TO THE ADVANCEMENT OF THE HVAC INDUSTRY.

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