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90 DEGREE SADDLE

ORDER SIZE	A	B
3"		26
4"		26
5"		26
6"		26
8"		26
10"		26
12"		26
14"		26
16"		26
18"		26

A=Weight
 B=Gauge

CONSTRUCTED:

Hot Dipped Galvanized Steel PER ASTM A653 CS Type B

APPLICATIONS:

Commercial designed to meet SMACNA Duct Construction Standards. Maximum W.G. is 2"- 4".

DESCRIPTION:

All 90 Degree Saddles are made with the finest G60 American Steel. One end has flange out for screwing and sealing onto the round application desired. The other end is for you to slide the pipe or flex on and screw or band into place.

UNION MADE IN THE UNITED STATES OF AMERICA
 PROUDLY USING 100% AMERICAN MADE METALS MANUFACTURED BY LUKJAN



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PRESSED 90 DEGREE SADDLE

ORDER SIZE	A	B
6 ON 6		24
6 ON 8		24
6 ON 10		24
6 ON 12		24
6 ON 14		24
8 ON 8		24
8 ON 10		24
8 ON 12		24
8 ON 14		24
8 ON 16		24
8 ON 18-20		24
10 ON 10		24
10 ON 12		24
10 ON 14		24
10 ON 16		24
10 ON 18-24		24
12 ON 12		24
12 ON 14		24
12 ON 16		24
12 ON 18-24		24

A=Weight
B=Gauge

CONSTRUCTED:

Hot Dipped Galvanized Steel PER ASTM A653 CS Type B

APPLICATIONS:

Commercial designed to meet SMACNA Duct Construction Standards. Maximum W.G. is 2"- 6".

DESCRIPTION:

All Pressed 90 Degree Saddles are made with the finest G60 American Steel. One end has flange out for screwing and sealing onto the round application desired. The other end is for you to slide the pipe or flex on and screw or band into place.

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ADJ. COMMERCIAL ELBOWS

ORDER SIZE	A	B	C/D
3"	0.6	26	C
4"	0.7	26	C
5"	2 / 1.0	24 / 26	C
6"	2 / 1.3	24 / 26	C
7"	1.6	26	D
8"	3.5 / 1.8	24 / 26	C
9"	2.4	26	D
10"	4.6 / 3.8	24 / 26	D
12"	5.2 / 4	24 / 26	D
14"	6.2 / 5	24 / 26	D
16"	8 / 6.3	24 / 26	D
18"	10.6	24	D
20"	11.9	24	D
22"	12.9	24	D
24"	14	24	D

A=Weight
 B=Gauge
 C=Stitched Welded
 D=Pop Rivet

CONSTRUCTED:

Hot Dipped Galvanized Steel PER ASTM A653 CS Type B

APPLICATIONS:

Commercial designed to meet SMACNA Duct Construction Standards. Maximum W.G. is 2" - 3".

DESCRIPTION:

All Adjustable Elbows are made with the finest G60 American Steel. Pop riveted and stitched welded seam on certain sizes for a more airtight and durable fitting. 5 gore construction with adjustable gores for any angle possible.

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ADJ. RESIDENTIAL ELBOWS

ORDER SIZE	A	B	C/D
3"	0.3	30	D
4"	0.3	30	C
5"	0.6	30	C
6"	0.8	30	C
7"	0.8	30	C
8"	1.1	30	C
9"	1.1	30	C
10"	2.4	30	D
12"	3.3	30	D

A=Weight
 B=Gauge
 C=Stitched Welded
 D=Pop Rivet

CONSTRUCTED:

Hot Dipped Galvanized Steel PER ASTM A653 CS Type B

APPLICATIONS:

Residential designed. Maximum W.G. is 2".

DESCRIPTION:

All Adjustable Elbows are made with the finest G60 American Steel. Pop riveted and stitched welded seam on certain sizes for a more airtight and durable fitting. 5 gore construction with adjustable gores for any angle possible.

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AIR INTAKES W/SCREEN

ORDER SIZE	A	B
4"	1.1	26
5"	1.3	26
6"	1.4	26
7"	1.5	26
8"	1.6	26
9"	2	26
10"	2.2	26

A=Weight
B=Gauge

CONSTRUCTED:

Hot Dipped Galvanized Steel PER ASTM A653 CS Type B

APPLICATIONS:

Commercial designed to meet SMACNA Duct Construction Standards. Maximum W.G. is 2".

DESCRIPTION:

All Air Intakes are made with the finest G60 American Steel. They are designed for venting combustion air with birdscreen for horizontal applications. The face is pitched for deflection from the rain and weather.

14" AND ABOVE ARE MADE TO ORDER ONLY. PLEASE CALL FOR PRICING AND AVAILABILITY.

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COUPLERS COMMERCIAL

ORDER SIZE	A	B
3"	1.58	26
4"	1.29	26
5"	1.3	26
6"	1.32	26
7"	1.5	26
8"	1.61	26
10"	2.28	26
12"	1.93	26
14"	2.18	26
16"	8.8	24

ORDER SIZE	A	B
18"	9.81	24
20"	10.64	24
22"	10.79	24
24"	11.45	24
26"	12.11	24
28"	14.99	24
30"	16.56	24
32"	19.87	24
34"	22.72	24
36"	21.31	24

A=Weight
B=Gauge

CONSTRUCTED:
 Hot Dipped Galvanized Steel PER ASTM A653 CS Type B

APPLICATIONS:
 Commercial designed to meet SMACNA Duct Construction Standards. Maximum W.G. is 2"- 4".

DESCRIPTION:
 All Couplers are made with the finest G60 American Steel. Couplers are designed to provide connection in-between spiral with a deep bead for a faster installation.

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DAMPER COMMERCIAL

ORDER SIZE	A	B
4"	0.3	26
5"	0.4	26
6"	0.5	26
7"	0.6	26
8"	0.7	26
9"	0.8	26
10"	0.9	26
12"	1	26
14"	1.2	26
16"	1.4	26
18"	1.6	26
20"	1.7	26

A=Weight
 B=Gauge

CONSTRUCTED:

Hot Dipped Galvanized Steel PER ASTM A653 CS Type B

APPLICATIONS:

Commercial designed to meet SMACNA Duct Construction Standards. Maximum W.G. is 2" - 3".

DESCRIPTION:

All Dampers are made with the finest G60 American Steel. They help blance the airflow for the right amount of CFM.

DAMPERS:

26 GAUGE - 1 SPRING/SOLID BEARING, 1 HANDLE AND 2 WING NUTS

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DRYER VENT W/FLAPPER

ORDER SIZE	A	B
4"	1	26
5"	1.2	26
6"	1.4	26
7"	1.5	26
8"	1.6	26
9"	1.8	26
10"	2	26

A=Weight
 B=Gauge

CONSTRUCTED:

Hot Dipped Galvanized Steel PER ASTM A653 CS Type B

APPLICATIONS:

Commercial designed to meet SMACNA Duct Construction Standards. Maximum W.G. is 2".

DESCRIPTION:

All Dryer Vents are made with the finest G60 American Steel. They are designed for venting clothes dryer with a flapper for horizontal applications. The face is pitched for deflection from the rain and weather.

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FLOOR BLIND BOX

ORDER SIZE	A	B	C
6X6	1.2	26	6"
8X8	1.2	26	6"
10X10	1.6	26	6"
12X12	1.09	26	6"

A=Weight
 B=Gauge
 C=Length

CONSTRUCTED:

Hot Dipped Galvanized Steel PER ASTM A653 CS Type B

APPLICATIONS:

Commercial/Residential designed to meet SMACNA Duct Construction Standards. Maximum W.G. is 2".

DESCRIPTION:

All Register Boxes are made with the finest G60 American Steel. They are designed for a diffuser, register, or grille. They are a box without a collar certain size round you need to connect to. It also has a flange out 1" to screw the device to.

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HETO SERIES

HETO (Plain)					
ORDER SIZE	A	B	C	D	E
6"	12"	6"	1.3	9"	26
7"	11"	5"	1.7	10"	26
8"	12"	6"	1.7	9"	26
9"	14"	6"	1.9	10"	26
10"	14"	7"	2.6	11"	26
12"	14"	8"	3.1	11"	26
14"	14"	9"	3.4	11"	26
16"	14"	12"	4.7	14"	24
18"	14"	14"	5.9	14"	24
20"	14"	14"	8.2	14"	24

HETOD (With Damper)					
ORDER SIZE	A	B	C	D	E
4"	X	X	1.2	9"	26
6"	12"	6"	1.7	9"	26
7"	11"	5"	2	10"	26
8"	12"	6"	2.2	9"	26
9"	14"	6"	2.6	10"	26
10"	16"	7"	3.2	11"	26
12"	18"	8"	3.9	11"	26
14"	20"	9"	4.3	11"	26
16"	20"	12"	5.9	14"	24
18"	26"	14"	7.3	14"	24
20"	26"	14"	7.8	14"	24

A=Weight
 B=Gauge
 C=Weight
 D=Length (from bead to flange out)
 E=Gauge

CONSTRUCTED:

Hot Dipped Galvanized Steel PER ASTM A653 CS Type B

APPLICATIONS:

Commercial designed to meet SMACNA Duct Construction Standards. Maximum W.G. is 2"- 4".

DESCRIPTION:

All HETO'S are made with the finest G60 American Steel. Pop riveted seams. The collar is crimped the square side has 1" flange out with gasket for a sealed connection and faster installation times. It's 45° angle allows for better air flow.

DAMPER: 26 GAUGE - 1 SPRING/SOLID BEARING, 1 HANDLE, 2 WING NUTS

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PUSH CAPS

ORDER SIZE	A	B
4"	0	26
5"	0.3	26
6"	0.4	26
7"	0.5	26
8"	0.6	26
9"	0.6	26
10"	0.8	26
12"	1	26
14"	1.2	26
16"	1.4	26
18"	1.9	26
20"	2.2	26

A=Weight
B=Gauge

CONSTRUCTED:
 Hot Dipped Galvanized Steel PER ASTM A653 CS Type B

APPLICATIONS:
 Commercial designed to meet SMACNA Duct Construction Standards. Maximum W.G. is 2".

DESCRIPTION:
 All Push Caps are made with the finest G60 American Steel. Pop riveted seams. The collar is raw not crimped for your convenience.

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RAIN CAPS W/SCREEN

ORDER SIZE	A	B
3"	0	26
4"	0.3	26
5"	0.4	26
6"	0.5	26
7"	0.6	26
8"	0.6	26
10"	0.8	26
12"	1	26

A=Weight
 B=Gauge

CONSTRUCTED:
 Hot Dipped Galvanized Steel PER ASTM A653 CS Type B

APPLICATIONS:
 Commercial designed to meet SMACNA Duct Construction Standards. Maximum W.G. is 2" - 3".

DESCRIPTION:
 All Rain Caps are made with the finest G60 American Steel. These are designed to provide deflection from the rain and weather with a cone shaped top with bird screen installed for vertical applications.
14" and above are made to order only. Please call for pricing and availability.

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REDUCER CAP

ORDER SIZE	A	B	C
7" X 5"	1"	0.9	26
7" X 6"	1½"	0.9	26
8" X 6"	1"	1	26
8" X 7"	2"	1.1	26
9" X 6"	2"	1.1	26
9" X 7"	3½"	1.1	26
9" X 8"	2"	1.1	26
10" X 6"	3½"	1.3	26
10" X 7"	2"	1.3	26
10" X 8"	3½"	1.3	26
10" X 9"	2"	1.3	26
12" X 6"	2"	1.4	26
12" X 8"	2"	1.5	26
12" X 9"	1½"	1.5	26
12" X 10"	2"	1.6	26

A=Length
 B=Weight
 C=Gauge

CONSTRUCTED:

Hot Dipped Galvanized Steel PER ASTM A653 CS Type B

APPLICATIONS:

Commercial designed to meet SMACNA Duct Construction Standards. Maximum W.G. is 2" - 3".

DESCRIPTION:

All Cap Reducers are made with the finest G60 American Steel. The collars are raw not crimped for your convenience. Pop riveted seams. These are in very tight spaces that have no room to reduce to the desired size and length.

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REDUCER TAPERED

ORDER SIZE	A	B	C
4" X 3"	1"	0.5	26
5" X 3"	1½"	0.8	26
5" X 4"	1"	0.8	26
6" X 3"	2"	0.9	26
6" X 4"	2"	0.9	26
6" X 5"	3½"	1	26
7" X 4"	2"	1.2	26
7" X 5"	3½"	1.2	26
7" X 6"	2"	1.2	26
8" X 5"	3½"	1.3	26
8" X 6"	2"	1.3	26
8" X 7"	2"	1.5	26
9" X 6"	2"	1.5	26
9" X 8"	2"	1.6	26
10" X 6"	3"	1.6	26
10" X 7"	5"	1.6	26
10" X 8"	2½"	1.6	26

ORDER SIZE	A	B	C
10" X 9"	3½"	1.6	26
12" X 6"	3½"	1.7	26
12" X 7"	3"	1.8	26
12" X 8"	3"	1.8	26
12" X 9"	2"	1.9	26
12" X 10"	2½"	2	26
14" X 8"	3"	2.2	26
14" X 10"	3"	2.3	26
14" X 12"	2"	2.2	26
16" X 10"	4"	2.1	26
16" X 12"	3"	2.1	26
16" X 14"	3"	2.2	26
18" X 12"	3"	2.4	26
18" X 14"	3"	2.5	26
18" X 16"	3"	3	26
20" X 16"	3"	3	26
20" X 18"	3"	3.2	26

A=Length
 B=Weight
 C=Gauge

CONSTRUCTED:

Hot Dipped Galvanized Steel PER ASTM A653 CS Type B

APPLICATIONS:

Commercial designed to meet SMACNA Duct Construction Standards. Maximum W.G. is 2" - 3".

DESCRIPTION:

All Tapered Reducers are made with the finest G60 American Steel. Pop riveted seams. The collars are not crimped for your convenience. These are used to reduce from one size to another.

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SLEEVED DAMPER

ORDER SIZE	A	B	C
4"	4.5"	0.6	26
5"	4.5"	0.75	26
6"	4.5"	1.2	26
7"	7.5"	1.05	26
8"	7.5"	1.44	26
10"	9.5"	2.35	26
12"	9.5"	2.96	26
14"	9.5"	3.56	26
16"	9.5"	4.1	26
18"	9.5"	4.7	26
20"	9.5"	5.5	26

A=Length
 B=Weight
 C=Gauge

CONSTRUCTED:

Hot Dipped Galvanized Steel PER ASTM A653 CS Type B

APPLICATIONS:

Commercial designed to meet SMACNA Duct Construction Standards. Maximum W.G. is 2" - 3".

DESCRIPTION:

All Sleeved Dampers are made with the finest G60 American Steel. One end is crimped and the other is raw for faster installation times for a damper. It allows you to regulate the airflow going to the end of your run out.

DAMPER:

26 GAUGE - 1 SPRING BEARING, 1 SOLID BEARING, 1 HANDLE, 2 WING NUTS

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SNAPLOCK COMMERCIAL

ORDER SIZE	A	B	C
3"	0 / 5	2' / 3' / 5'	26
4"	5.5	2' / 5'	26
5"	6.5	2' / 5'	26
6"	7.5	2' / 5'	26
7"	8	5'	26
8"	9	5'	26
9"	10.5	5'	26
10"	12.5	5'	26
12"	14.5	5'	26
14"	17	5'	26
16"	19.5	5'	26
18"	X	3'	26
20"	X	2' / 5'	26

A=Weight
 B=Length
 C=Gauge

CONSTRUCTED:

Hot Dipped Galvanized Steel PER ASTM A653 CS Type B

APPLICATIONS:

Commercial designed to meet SMACNA Duct Construction Standards. Maximum W.G. is 2" - 3".

DESCRIPTION:

All Snaplock is made with the finest G60 American Steel. The seams are a SNAPLOCK type for a solid seal. One end is crimped and the other end is raw for fast and easy installation.

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SNAPLOCK RESIDENTIAL

ORDER SIZE	A	B	C/D	E
3"	X	5'	C	30
4"	X	5'	C	30
5"	X	5'	C	30
6"	X	5'	C	30
7"	X	5'	C	30
8"	X	5'	C	30
9"	X	5'	C	30
10"	X	5'	C	30
12"	X	5'	C	30

A=Weight
 B=Length
 C=Button Lock
 D=Pre-Snapped
 E=Gauge

CONSTRUCTED:

Hot Dipped Galvanized Steel PER ASTM A653 CS Type B

APPLICATIONS:

Commercial designed to meet SMACNA Duct Construction Standards. Maximum W.G. is 2" - 3".

DESCRIPTION:

All Snaplock is made with the finest G60 American Steel. The seams are a SNAPLOCK type for a solid seal. One end is crimped and the other end is raw for fast and easy installation.

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SPIN SERIES - PLAIN

ORDER SIZE	PLAIN #951			
	A	B	C	D
4"	6.5"	6"	0.6	26
5"	7"	6.5"	0.8	26
6"	8"	6.5"	0.8	26
7"	9"	6.5"	1	26
8"	10"	6.5"	1.4	26
9"	11"	6.5"	1.3	26
10"	12"	6.5"	1.3	26
12"	14"	6.5"	1.5	26
14"	16"	8.25"	1.8	26
16"	18"	8.25"	1.9	24
18"	20"	8.25"	2	24
20"	22"	8.25"	2.1	24

A=Width at Base
 B=Depth at Base
 C=Weight
 D=Gauge

CONSTRUCTED:

Hot Dipped Galvanized Steel PER ASTM A653 CS Type B

APPLICATIONS:

Commercial designed to meet SMACNA Duct Construction Standards. Maximum W.G. is positive 2" - 3".

DESCRIPTION:

All Spins are made with the finest G60 American Steel. Pop riveted seams. The collar is crimped and a deeper bead for faster installation. The conical shape allows for greater air flow.

DAMPERS:

26 GAUGE - 1 SPRING/SOLID BEARING, 1 HANDLE, 2 WING NUTS

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SPIN SERIES - PLAIN WITH DAMPER

ORDER SIZE	W/DAMPER #952		
A	B	C	E
4"	8.5"	0.9	26
5"	8.5"	1.1	26
6"	8.5"	1.4	26
7"	8.5"	1.9	26
8"	8.5"	2	26
9"	8.5"	2.3	26
10"	10.25"	2.4	26
12"	10.25"	3.4	26
14"	10.25"	5.1	24
16"	12"	5.3	24
18"	12"	5.6	24
20"	12"	6	24

A=Width at Base
 B=Depth at Base
 C=Weight
 D=Length of scoop into airflow
 E=Gauge

CONSTRUCTED:

Hot Dipped Galvanized Steel PER ASTM A653 CS Type B

APPLICATIONS:

Commercial designed to meet SMACNA Duct Construction Standards. Maximum W.G. is positive 2" - 3".

DESCRIPTION:

All Spins are made with the finest G60 American Steel. Pop riveted seams. The collar is crimped and a deeper bead for faster installation. The conical shape allows for greater air flow.

DAMPERS:

26 GAUGE - 1 SPRING/SOLID BEARING, 1 HANDLE, 2 WING NUTS

UNION MADE IN THE UNITED STATES OF AMERICA
 PROUDLY USING 100% AMERICAN MADE METALS MANUFACTURED BY LUKJAN



4460 S WINDERMERE ST
 ENGLEWOOD, CO 80110
 P: 303.761.3058
 F: 303.783.9014
 W: CHIMFG.COM
 E: CHIMFG@AOL.COM



STARTING COLLAR

ORDER SIZE	A	B	C
3"	0.1	26	2"
4"	0.2	26	2"
5"	0.2	26	2"
6"	0.3	26	2"
7"	0.4	26	2"
8"	0.4	26	2"
9"	0.6	26	2"
10"	0.6	26	2"
12"	0.8	26	2"
14"	1	26	2"
16"	1.3	26	2"
18"	1.8	26	2"
20"	2	26	2"

A=Weight
 B=Gauge
 C=Height

CONSTRUCTED:

Hot Dipped Galvanized Steel PER ASTM A653 CS Type B

APPLICATIONS:

Commercial designed to meet SMACNA Duct Construction Standards. Maximum W.G. is 2" - 3".

DESCRIPTION:

All Starting Collars are made with the finest G60 American Steel. One end has dove tail flanges and the other is pre crimped collar and a deeper bead for faster installation.

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COMMERCIAL TEE

ORDER SIZE	A	B
4X4X4	1	26
5X5X5	1.4	26
6X6X6	2.2	26
7X7X7	2.4	26
8X8X8	3	26
9X9X9	3.2	26
10X10X10	3.5	26
12X12X12	3.9	26
14X14X14	4.2	26
16X16X16	5	26
18X18X18	6.5	26
20X20X20	8	26

A=Weight
 B=Gauge

CONSTRUCTED:

Hot Dipped Galvanized Steel PER ASTM A653 CS Type B

APPLICATIONS:

Commercial designed to meet SMACNA Duct Construction Standards. Maximum W.G. is positive 2" - 3".

DESCRIPTION:

All Tees are made with the finest G60 American Steel. Pop riveted seams. The collar is raw not crimped for your convenience for a faster installation.

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RESIDENTIAL TEE

ORDER SIZE	A	B
4X4X4		30
5X5X5		30

A=Weight
B=Gauge

CONSTRUCTED:

Hot Dipped Galvanized Steel PER ASTM A653 CS Type B

APPLICATIONS:

Commercial designed to meet SMACNA Duct Construction Standards. Maximum W.G. is positive 2".

DESCRIPTION:

All Tees are made with the finest G60 American Steel. Pop riveted seams. The collar is raw not crimped for your convenience for a faster installation.

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ORDER SIZE
 CXDXE

WYE EZ

ORDER SIZE CXDXE	A	B
4X4X4	0.94	26
5X5X5	1.38	26
6X4X3	1.08	26
6X5X4	1.09	26
6X6X6	1.58	26
7X5X5	1.33	26
8X6X6	1.66	26
8X7X7	1.95	26
9X7X7	1.6	26
9X8X5		26
10X8X6	3.28	26
10X8X8	1.75	26
12X8X8	2.8	26
12X10X10	4.6	26
12X12X12		26

A=Weight
 B=Gauge

CONSTRUCTED:

Hot Dipped Galvanized Steel PER ASTM A653 CS Type B

APPLICATIONS:

Commercial/Residential designed to meet SMACNA Duct Construction Standards. Maximum W.G. is 2".

DESCRIPTION:

All EZ Wyes are made with the finest G60 American Steel. Pop riveted seams. The collar is raw not crimped for your convenience. The EX Wyes are designed for exhausting heat from your furnace and your water heater.

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WYE TRUE

ORDER SIZE	A	B
8X6X6	1.38	26
10X8X8	2.15	26
12X10X10	2.99	26

A=Weight
B=Gauge

CONSTRUCTED:

Hot Dipped Galvanized Steel PER ASTM A653 CS Type B

APPLICATIONS:

Commercial/Residential designed to meet SMACNA Duct Construction Standards. Maximum W.G. is 2" -3".

DESCRIPTION:

All True Wyes are made with the finest G60 American Steel. Pop riveted seams. The collar is crimped for your convenience.

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