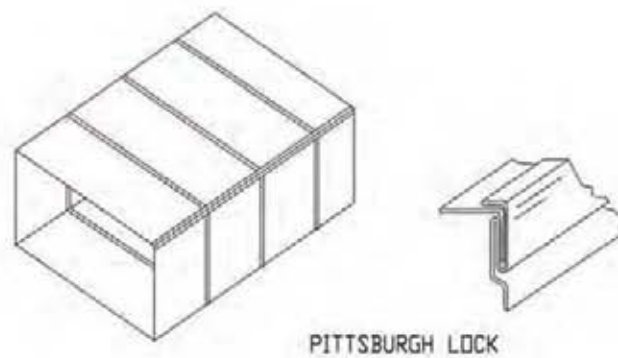
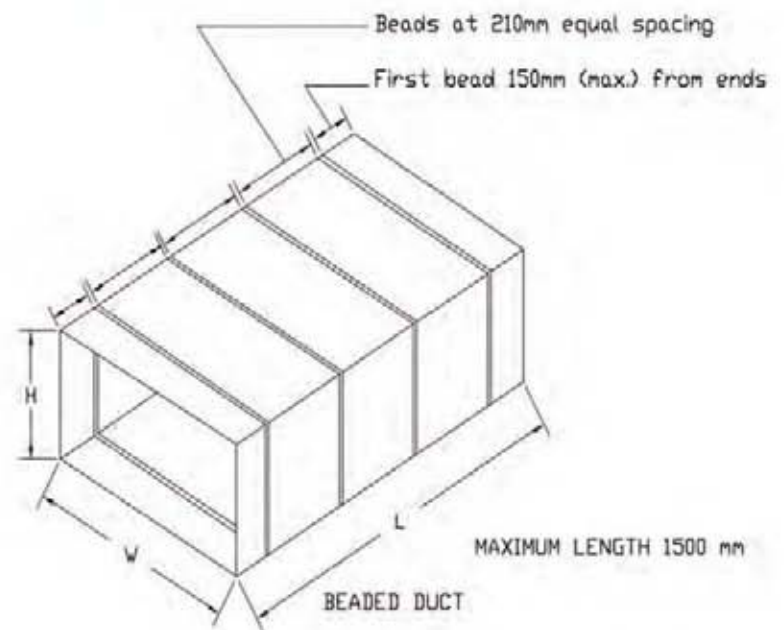




RECTANGULAR DUCTS

RECTANGULAR DUCTS



Rectangular ducts are fully factory assembled for easy and low cost installation.

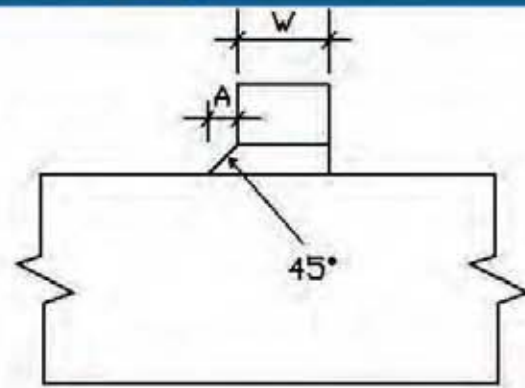
You don't have to think about on-site manufacturing anymore. Using our latest computer-controlled machines, we can supply all required accessories and fittings with high finishing quality and minimum duration...

The ducts can be manufactured according to SMACNA or BS standards of galvanized steel, stainless steel, or aluminium.

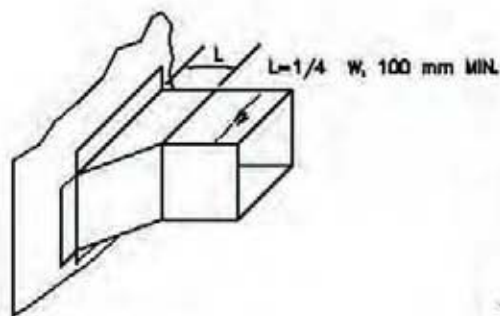
TAKE OFF:



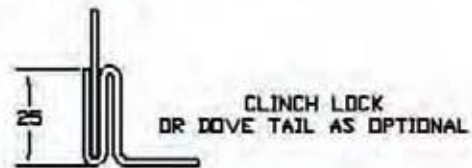
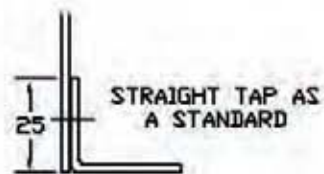
Branch duct width (W)	Dimensions (A)
mm	mm
Up to 200	75
" 300	100
" 400	125
" 600	150
Over 600	200

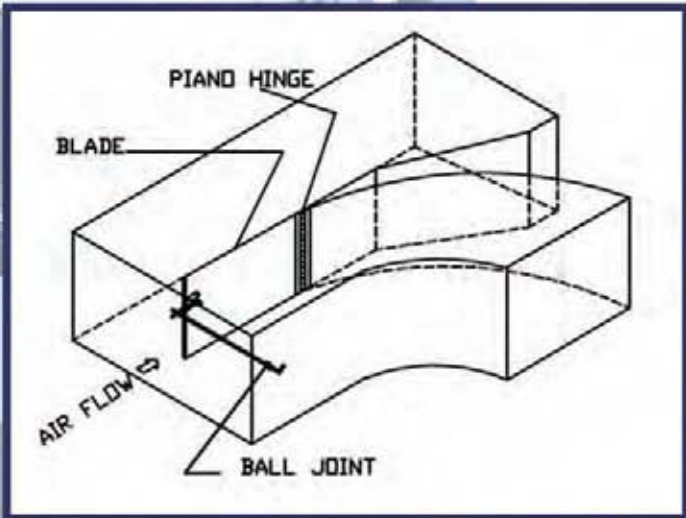


Shoe branch



45 DEGREE ENTRY #45

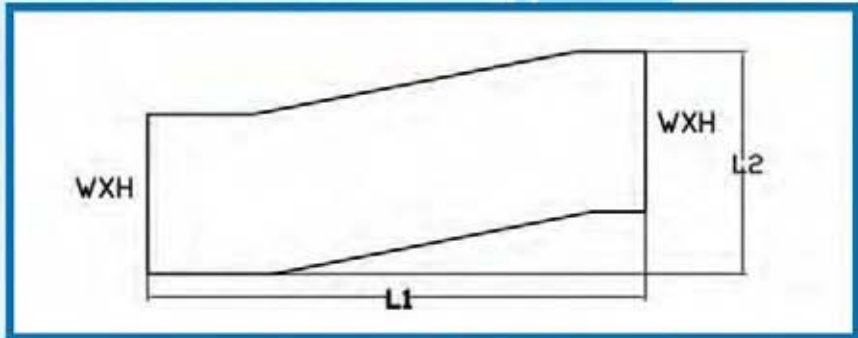
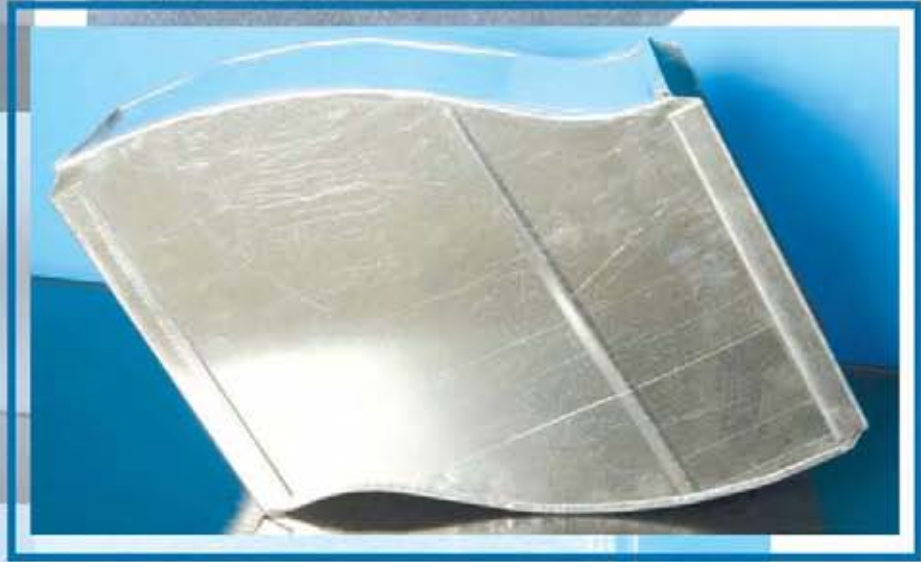


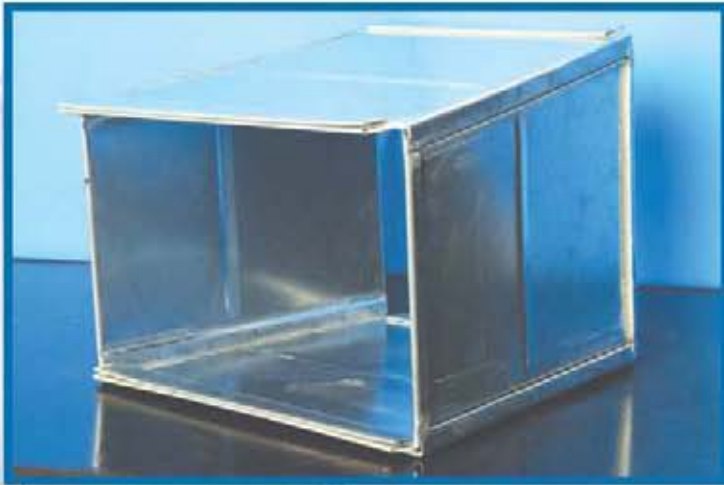


TEE SPLIT BEND:



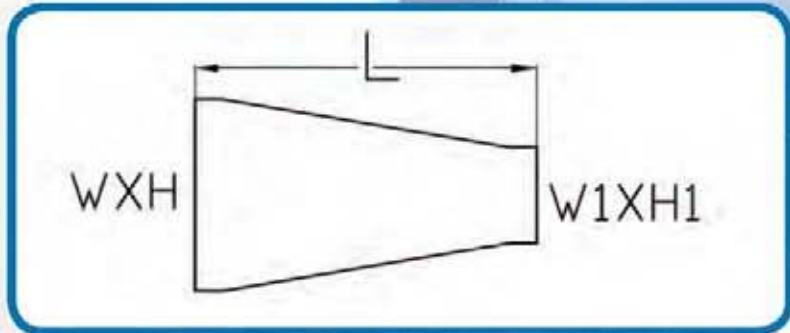
OFFSET:

$$A = 2(W+H) (L1+L2)$$


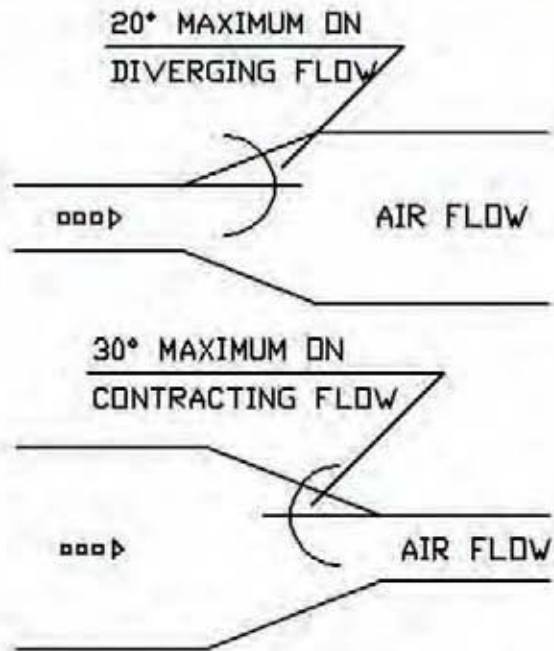
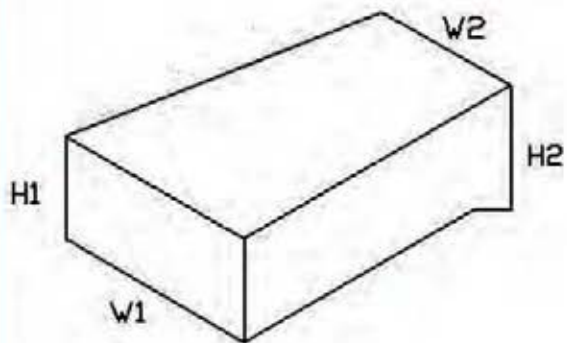


RECTANGULAR
REDUCER:

$$A = 2(W+H)L$$

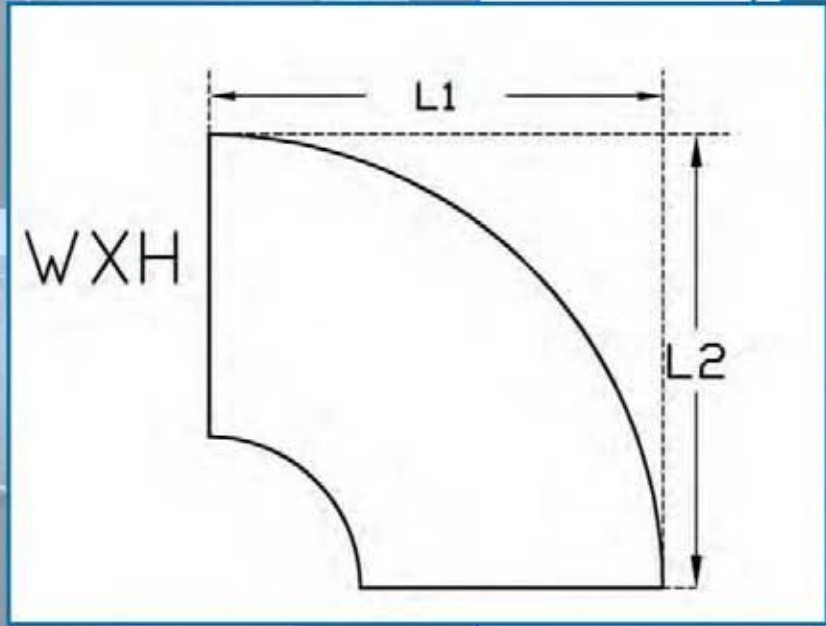


TRANSITIONS

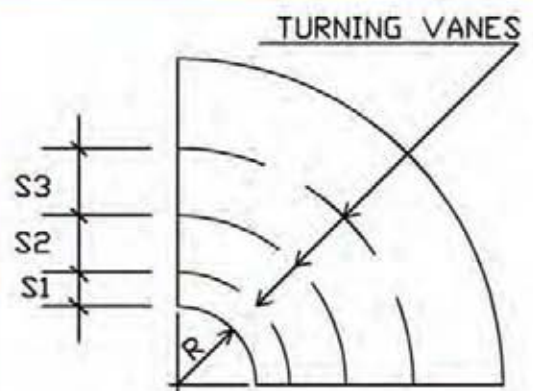


ELBOW BENDS:

$$A = 2(W+H)(L1+L2)$$

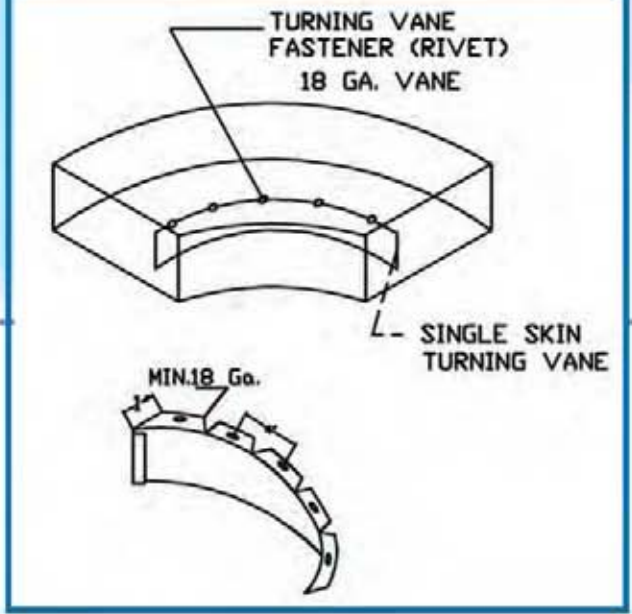


SHORT RADIUS ELBOW

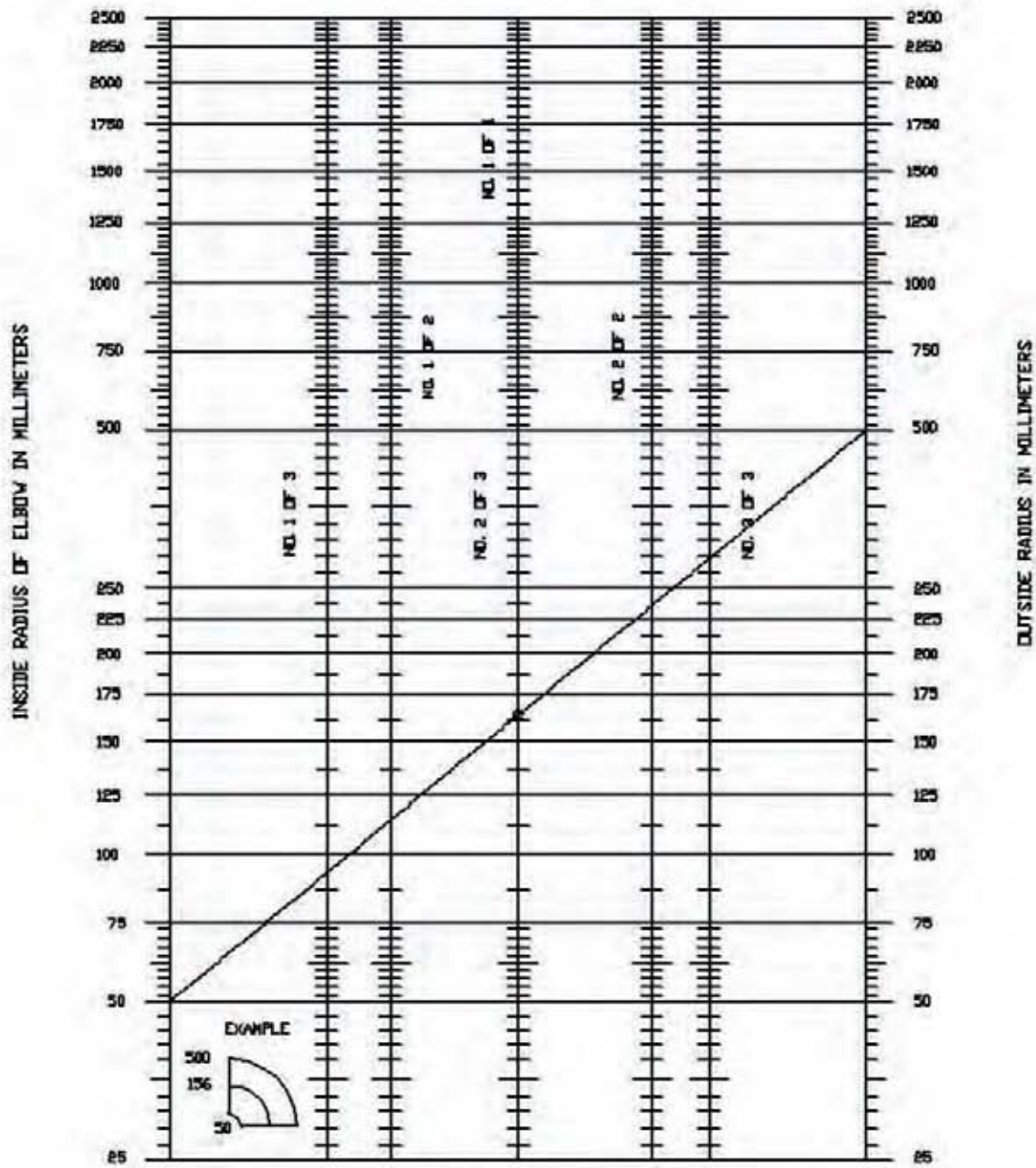


RECTANGULAR ELBOWS

Full Radius Elbow	
Reducing Elbow	
Square Elbow	



NUMBER OF SHORT RADIUS VANES:



NUMBER OF SPLITTERS

*No. 1 of 3' i.e. No. 1 vane of a total of 3 vanes

*No. 2 of 3' i.e. No. 2 vane of a total of 3 vanes

NUMBER OF SHORT RADIUS VANES

SCHEDULE:	0 - 300	NA
	301 - 500	ONE (1) VANE
	501 - 1000	TWO (2) VANES
	1001 - UP	THREE (3) VANES

**2" W.G. PRESSURE CLASS
AS PER SMACNA SPECIFICATIONS**

LONGEST SIZE OF DUCT	U.S. Gage	LONGITUDINAL CONNECTIONS	INTERMEDIATE REINFORCEMENT	TRANSVERSE CONNECTIONS	
0 - 254	26	PITTSBURGH	—	SLIP (24 Ga.) DRIVE (24 Ga.)	T-6, T-1
255 - 508	26	PITTSBURGH	—	Reinforced slip (26 Ga.) DRIVE (24 Ga.)	T-7, T-1
509 - 762	24	PITTSBURGH	—	Reinforced slip (26 Ga.) DRIVE with ANGLE (See table)	T-7, T-3
763 - 915	24	PITTSBURGH	—	1" S.Slip (24 Ga.) DRIVE with ANGLE (See table)	T-12, T-3
916 - 1219	22	PITTSBURGH	—	1-1/2" S.Slip (22 Ga.) DRIVE with ANGLE (See table)	T-12, T-3
1220 - 1372	20	PITTSBURGH	—	1-1/2" S.Slip (22 Ga.) DRIVE with ANGLE (See table)	T-12, T-3
1373 - 1523	20	PITTSBURGH	—	30x30x3mm COMPANION ANGLE OR SAF FLANGE	T-22, T-24
1524 - 1828	18	PITTSBURGH	—	40x40x3mm COMPANION ANGLE OR SAF FLANGE	T-22, T-24
1829 - 2133	18	PITTSBURGH	—	50x50x3mm COMPANION ANGLE	T-22
2134 - 2438	18	PITTSBURGH	—	40x40x3mm COMPANION ANGLE + TIE ROD	T-22

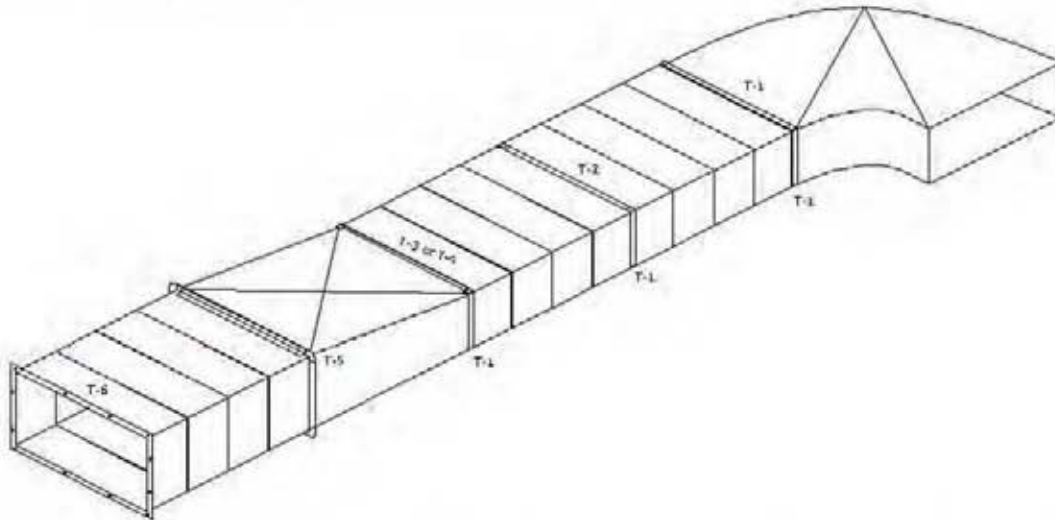
**3" W.G. PRESSURE CLASS
AS PER SMACNA SPECIFICATIONS**

LONGEST SIZE OF DUCT	U.S. Gage	LONGITUDINAL CONNECTIONS	INTERMEDIATE REINFORCEMENT	TRANSVERSE CONNECTIONS	
0 - 457	24	PITTSBURGH	—	SLIP (26 Ga.) Reinforced S" Slip DRIVE (24 Ga.)	
458 - 762	24	PITTSBURGH	—	1" S.Slip (24 Ga.) DRIVE with ANGLE (See table)	
763 - 914	24	PITTSBURGH	—	1-1/2" S.Slip (22 Ga.) DRIVE with ANGLE (See table)	
915 - 1067	22	PITTSBURGH	—	25x25x3mm COMPANION ANGLE OR SAF-30	
1068 - 1219	20	PITTSBURGH	—	40x40x4mm COMPANION ANGLE OR SAF-30	
1220 - 1524	18	PITTSBURGH	—	40x40x4mm COMPANION ANGLE	
1525 - 2133	18	PITTSBURGH	40x40x3mm Angle at 500 mm c.c.	40x40x4mm COMPANION ANGLE	
2134 - 2438	18	PITTSBURGH	40x40x3mm Angle at 500 mm c.c.	50x50x5mm COMPANION ANGLE	

TRANSVERSE JOINTS



Transverse Joints



Driver Slip & Hemmed "S" Slip



Driver Slip

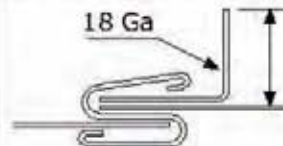
T-1



Hemmed "S" Slip

T-2

Reinforced "S" Slip & Standing S



Reinforced "S" Slip

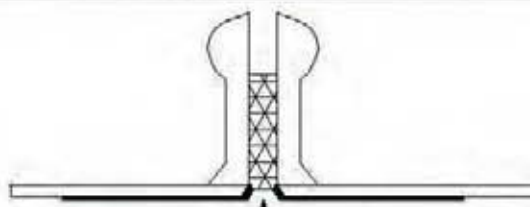
T-3



Standing S

T-4

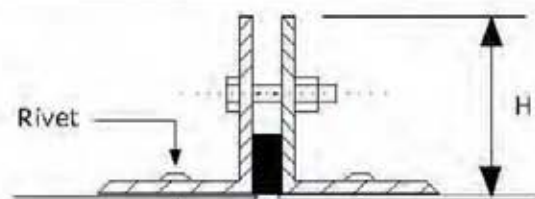
Slide on Flange - SAF - 30



Flange-SAF-30

T-5

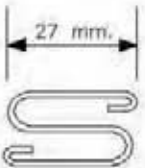
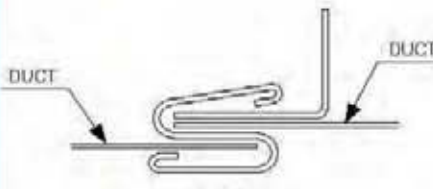
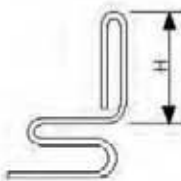

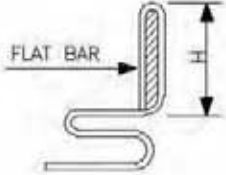
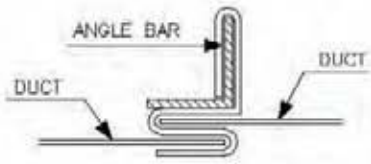
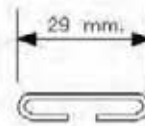
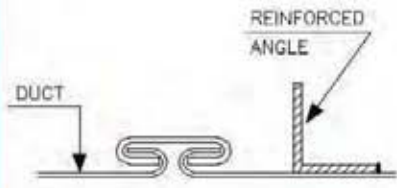
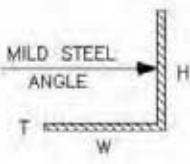
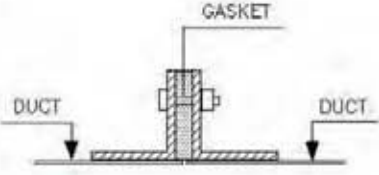

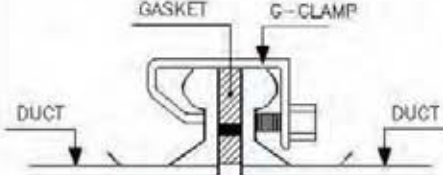
Companion Angels



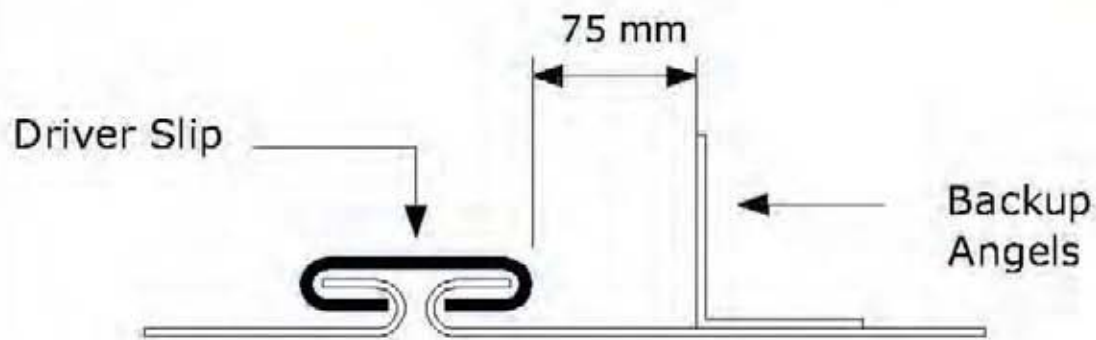
Companion Angels

T-6

TRANSVERSE JOINTS

 <p>27 mm.</p> <p>PROFILE J-6</p>  <p>DUCT</p> <p>DUCT</p> <p>INSTALLATION T-7 "S" CLEFT T-8 T-7 (SMACNA)</p>	 <p>H</p> <p>PROFILE</p>  <p>DUCT</p> <p>DUCT</p> <p>STANDING SLIP T-12 (SMACNA)</p>	 <p>FLAT BAR</p> <p>H</p> <p>PROFILE T-13</p>  <p>ANGLE BAR</p> <p>DUCT</p> <p>DUCT</p> <p>STANDING SLIP WITH FLAT BAR OR ANGLE BAR T-13 & T-14 (SMACNA)</p>
<p>▲ "S" CLEFT</p> <p>MINIMUM OF 26 GA. (0.6 mm.) THICKNESS. POSITIONED ON LONGEST SIDE OF DUCT. FOR SIZE HAND RANGES OF USE, REFER TO DUCT CONSTRUCTION SCHEDULE.</p>	<p>▲ STANDING SLIP</p> <p>MINIMUM OF 24 GA. (0.7 mm.) THICKNESS. POSITIONED ON LONGEST SIDE OF DUCT. FOR SIZE HAND RANGES OF USE, REFER TO DUCT CONSTRUCTION SCHEDULE.</p>	<p>▲ STANDING SLIP WITH FLAT BAR</p> <p>MINIMUM OF 24 GA. (0.7 mm.) THICKNESS. POSITIONED ON LONGEST SIDE OF DUCT. FOR SIZE HAND RANGES OF USE, REFER TO DUCT CONSTRUCTION SCHEDULE.</p>
 <p>29 mm.</p> <p>PROFILE</p>  <p>DUCT</p> <p>REINFORCED ANGLE</p> <p>INSTALLATION T-1 DRIVE SLIP T-3 REINFORCED (SMACNA)</p>	 <p>MILD-STEEL ANGLE</p> <p>H</p> <p>T</p> <p>W</p> <p>PROFILE</p>  <p>DUCT</p> <p>GASKET</p> <p>DUCT</p> <p>INSTALLATION COMPANION ANGLE T-22 (SMACNA)</p>	 <p>30mm</p> <p>30mm</p> <p>PROFILE</p>  <p>DUCT</p> <p>GASKET</p> <p>G-CLAMP</p> <p>DUCT</p> <p>INSTALLATION SAF-30 FLANGE SYSTEM T-24 (SMACNA)</p>
<p>▲ DRIVE SLIP</p> <p>STANDARD OF 22 GA. (0.85 mm.) THICKNESS. POSITIONED ON SHORT SIDE OF DUCT SECTION. FOR SIZE HAND RANGES OF USE, REFER TO DUCT CONSTRUCTION SCHEDULE.</p>	<p>▲ COMPANION FLANGES</p> <p>PAINTED BLACK STEEL FOR SIZES OF W/H & T SIZES REFER TO DUCT CONSTRUCTION SCHEDULE.</p>	<p>▲ SAF-30 FLANGE SYSTEM</p> <p>SAF EQUIVALENT FLANGE SYSTEM TO MEZ SYSTEM. MADE OF 20GA. STEEL ROLLER FORMED.</p>

DETAIL



1" w.g.

DUCT HEIGHT	BACK-UP ANGLE SIZE
509 - 1828	32x32x18 Ga. Angle

3" w.g.

DUCT HEIGHT	BACK-UP ANGLE SIZE
458 - 762	25x25x16 Ga. Angle
763 - 914	32x32x18 Ga. Angle

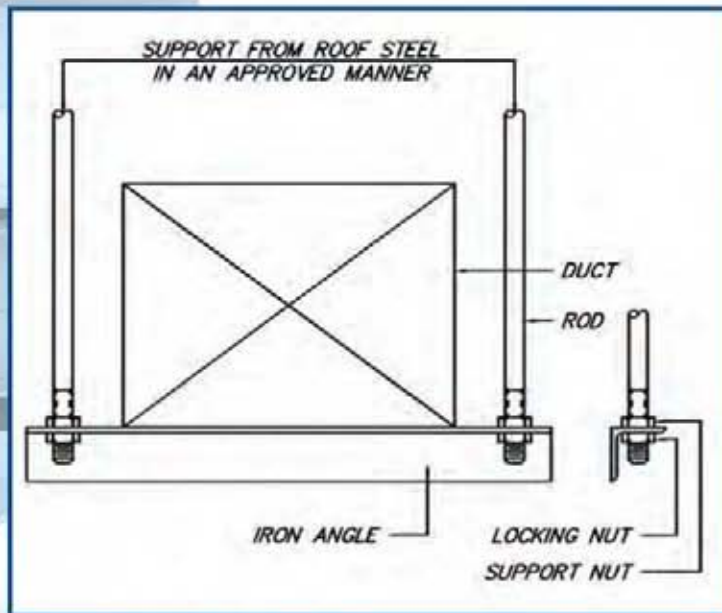
2" w.g.

DUCT HEIGHT	BACK-UP ANGLE SIZE
509 - 762	25x25x16 Ga. Angle
763 - 915	32x32x18 Ga. Angle
916 - 1219	40x40x16 Ga. Angle
1220 - 1372	40x40x3mm Angle

4" w.g.

DUCT HEIGHT	BACK-UP ANGLE SIZE
407 - 762	32x32x18 Ga. Angle

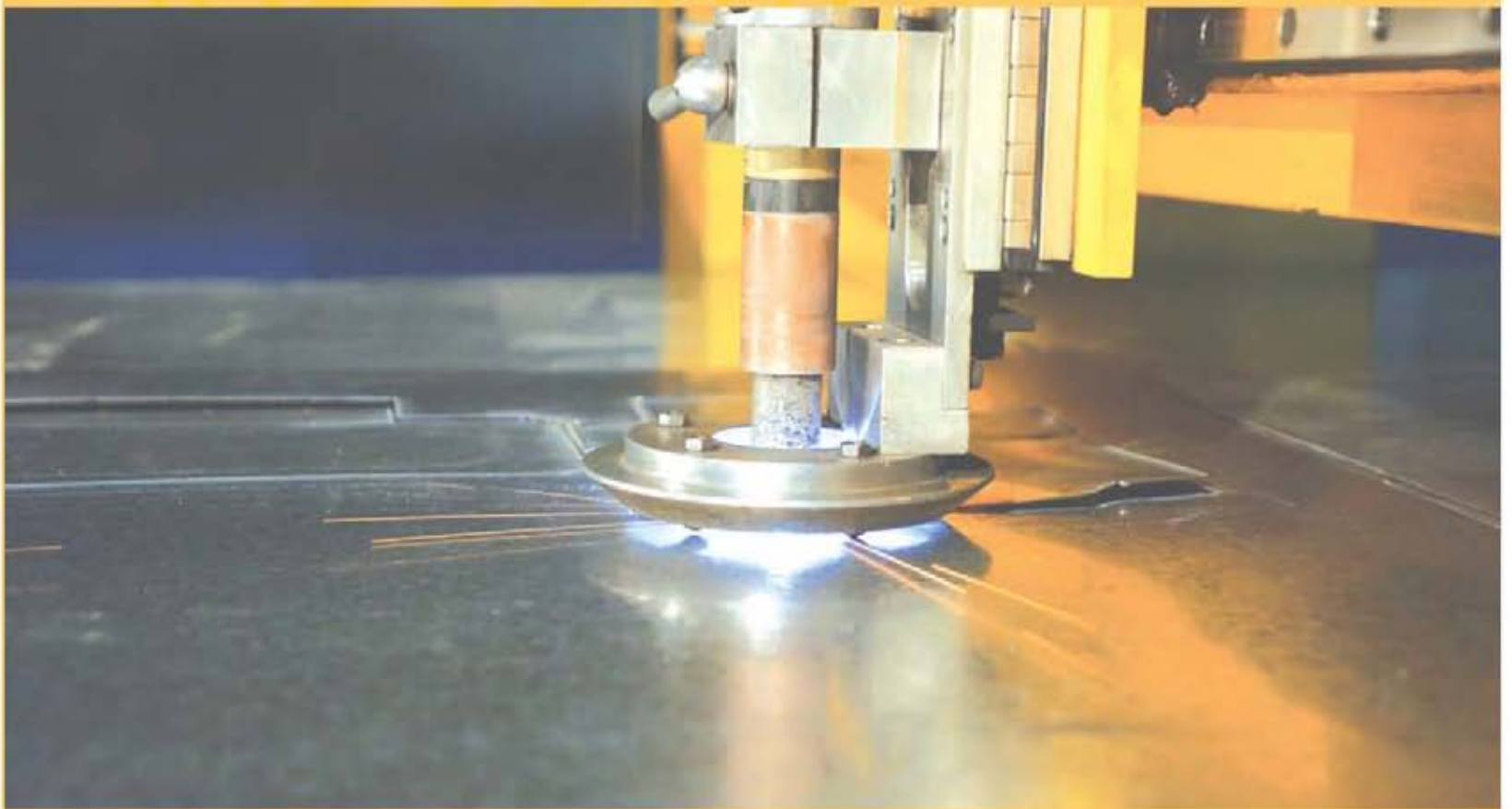
SUPPORTS & HANGERS



Length	1 x 1 x 16 ga.	1 x 1 x 1/8"	1.1/2x1.1/2x16 ga.	1.1/2x1.1/2x1/8"	1.1/2x1.1/2x3/16"	1.1/2x1.1/2x1/4" or 2x2x1/8"	2x2x3/16"	2x2x1/4"	2.1/2x2.1/2x3/ 16"	2.1/2x2.1/2x1/4"
18"	80	150	180	350	510	650	940	1230	1500	1960
24"	75	150	180	350	510	650	940	1230	1500	1960
30"	70	150	180	350	510	650	940	1230	1500	1960
36"	60	130	160	340	500	620	920	1200	1480	1940
42"	40	110	140	320	480	610	900	1190	1470	1930
48"	-	80	110	290	450	580	870	1160	1440	1900
54"	-	40	70	250	400	540	840	1120	1400	1860
60"	-	-	-	190	350	490	780	1060	1340	1800
66"	-	-	-	100	270	400	700	980	1260	1720
72"	-	-	-	-	190	320	620	900	1180	1640
78"	-	-	-	-	80	210	500	790	1070	1530
84"	-	-	-	-	-	80	380	660	940	1400
96"	-	-	-	-	-	-	-	320	600	1060
108"	-	-	-	-	-	-	-	-	150	610

PLASMA CUTTING MACHINE
COMPUTER CONTROLLED

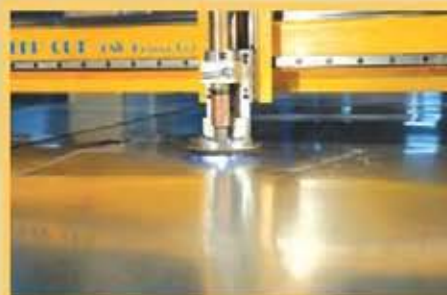
INDUSTRY





**AUTOFOLD:
FOR STRAIGHT DUCTS**







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