

Aluminum 3003-H14 Round Spiral Duct & Fittings

- ⇒ Kolsten Spiral Duct & Fittings meet ASTM B209 standards.
- ⇒ Joint connection, unless otherwise specified, will be furnished with coupling slip-joint connections.
- ⇒ All fitting ends will insert a minimum of 2" inside the mating duct.
- ⇒ Seam construction, unless otherwise specified, will be "Quick-Lok" or Rivet on 1" centers .
- ⇒ If specified, a protective seam sealer formulated for bonding metal to metal will be applied.
- ⇒ Standard (Type S) - A smooth, high-strength duct. Provides a combination of high strength and economy, plus the lowest friction loss available.
- ⇒ Semi-Ribbed (Type SR) - Offers a reinforcing corrugation for added strength.
- ⇒ Kolsten Spiral Duct is made with air-tight spiral 4-ply lock seam construction, aluminum & is in accordance with the latest edition of SMACNA Duct construction standards.

Spiral Duct Construction		
Maximum +2 W.G. / Static Pressure		
Duct Dia. Inches	Spiral Seam Gauge	Longitudinal Seam Gauge
3-8	.025	.032
9-14	.025	.032
15-26	.032	.040
27-36	.040	.050
37-50	.050	.063
51-60	.063	.071
61-84	N/A	.090

Spiral Duct Construction		
Maximum +4 W.G. Static Pressure		
Duct Dia. Inches	Spiral Seam Gauge	Longitudinal Seam Gauge
3-8	.032	.040
9-14	.032	.040
15-26	.040	.050
27-36	.050	.063
37-50	.063	.063
51-60	N/A	.071
61-84	N/A	.090

Spiral Duct Construction		
Maximum +10 W.G. Static Pressure		
Duct Dia. Inches	Spiral Seam Gauge	Longitudinal Seam Gauge
3-8	.032	.040
9-14	.032	.040
15-26	.040	.050
27-36	.050	.063
37-50	.063	.071
51-60	N/A	.090
61-84	N/A	N/A

***Note: Check to indicate variations from standard construction methods**

Alternative Joint Connectors*

- Dura Flange Angle Rings
 Spiralmate _____

Alternative Seam Construction* (Fittings)

- Mig Welded
 Tig Welded

Seam Sealant Available* (Fittings)

- Seal Outside
 Seal Inside

Job Name: _____

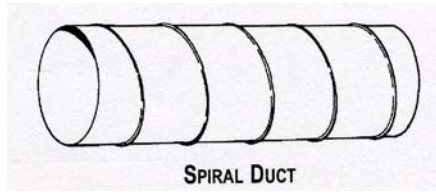
Location: _____

Mechanical Contractor: _____

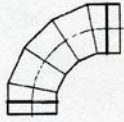
Job No: _____

Manufacturer : **Kolsten Industrial (480) 339-1990**

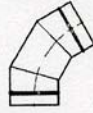
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SPIRAL DUCT



**90° 5-GORE
ELBOW**



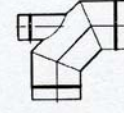
**60° 3-GORE
ELBOW**



**45° 3-GORE
ELBOW**



**30° 2-GORE
ELBOW**



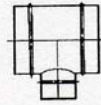
**90° HEEL-TAPPED
ELBOW**



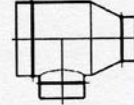
**90° MITERED
ELBOW W/VANES**



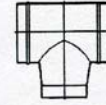
**22.5° 2-GORE
ELBOW**



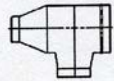
STRAIGHT TEE



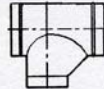
**STRAIGHT
REDUCING TEE**



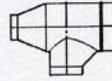
CONICAL TEE



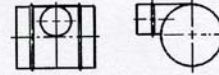
**CONICAL
REDUCING TEE**



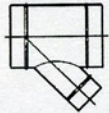
LoLOSS TEE



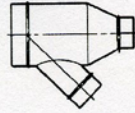
**LoLOSS
REDUCING TEE**



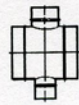
TANGENTIAL TEE



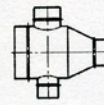
45° LATERAL



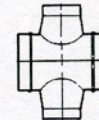
**45° REDUCING
LATERAL**



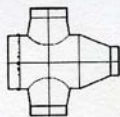
**STRAIGHT 90°
CROSS**



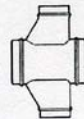
**STRAIGHT 90°
REDUCING CROSS**



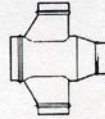
**CONICAL 90°
CROSS**



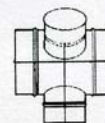
**CONICAL 90°
REDUCING CROSS**



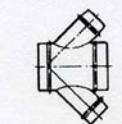
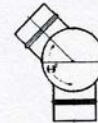
**LoLOSS 90°
CROSS**



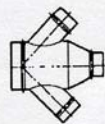
**LoLOSS 90°
REDUCING CROSS**



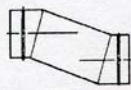
**STRAIGHT 90° CROSS
0° ANGLE BETWEEN TAPS**



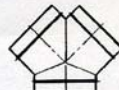
**45° LATERAL
CROSS**



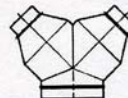
**45° REDUCING
LATERAL CROSS**



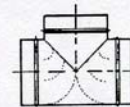
OFFSET



Y-BRANCH



**REDUCING
Y-BRANCH**



**BULLHEAD TEE
WITH VANES**