

# ROUND SPIRAL DUCT & FITTINGS

Omni Spiral Duct is made with air-tight spiral 4-ply lock seam construction, available in galvanized G90 steel, cold rolled steel, stainless steel & aluminum in accordance with SMACNA HVAC Duct Construction Standards

- Omni Round Spiral Duct & Fittings meet ASTM-A653-96 standards
- Furnished with coupling slip-joint connections unless otherwise specified
- All fitting ends will insert a minimum of 2" inside the mating duct
- Seam construction will be spot-welded on 1" centers unless otherwise specified
- If specified, a protective seam sealer formulated for bonding 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

## SPIRAL DUCT CONSTRUCTION

POSITIVE 2-10 W.G. STATIC PRESSURE		
DUCT DIAMETER	SPIRAL SEAM GAUGE	LONGITUDINAL SEAM GAUGE
3" - 14"	28	28
15" - 18"	26	26
19" - 24"	26	24
26" - 42"	24	22
44" - 60"	22	20
62" - 66"	22	18
68" - 84"	20	18

Note: Above gauges are minimums. To enhance product quality, OMNIDUCT reserves the right to increase gauges.

## SPIRAL OPTIONS

### ALTERNATIVE JOINT CONNECTORS\*

- DURA FLANGE
- ANGLE RINGS
- SPIRALMATE

## FITTING OPTIONS

### ALTERNATIVE SEAM CONSTRUCTION\*

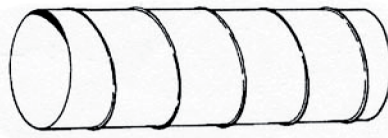
- SEAM WELDED
- SNAP-LOCK

### SEAM SEALANT AVAILABLE\*

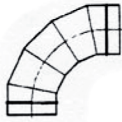
- SEAL OUTSIDE
- SEAL INSIDE

\*Note: Check to indicate variations from standard

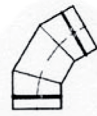
LAST MODIFIED: 04/11/24



**SPIRAL DUCT**



**90° 5-GORE ELBOW**



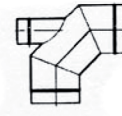
**60° 3-GORE ELBOW**



**45° 3-GORE ELBOW**



**30° 2-GORE ELBOW**



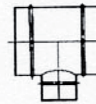
**90° HEEL-TAPPED ELBOW**



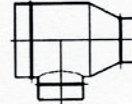
**90° MITERED ELBOW W/VANES**



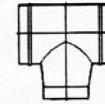
**22.5° 2-GORE ELBOW**



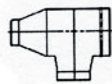
**STRAIGHT TEE**



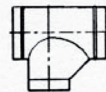
**STRAIGHT REDUCING TEE**



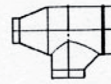
**CONICAL TEE**



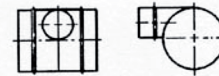
**CONICAL REDUCING TEE**



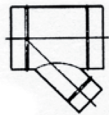
**LoLOSS TEE**



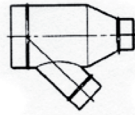
**LoLOSS REDUCING TEE**



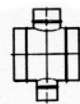
**TANGENTIAL TEE**



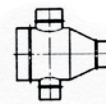
**45° LATERAL**



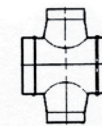
**45° REDUCING LATERAL**



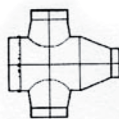
**STRAIGHT 90° CROSS**



**STRAIGHT 90° REDUCING CROSS**



**CONICAL 90° CROSS**



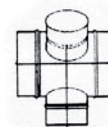
**CONICAL 90° REDUCING CROSS**



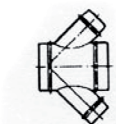
**LoLoss 90° CROSS**



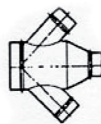
**LoLoss 90° REDUCING CROSS**



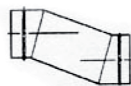
**STRAIGHT 90° CROSS  
0° ANGLE BETWEEN TAPS**



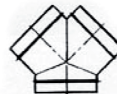
**45° LATERAL CROSS**



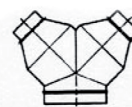
**45° REDUCING LATERAL CROSS**



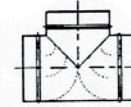
**OFFSET**



**Y-BRANCH**



**REDUCING Y-BRANCH**



**BULLHEAD TEE WITH VANES**