

## MINE & TUNNEL VENTILATION DUCT

### SPUNSTRAND's MINE & TUNNEL VENTILATION DUCT

In 1960, our company built the first filament winding machine to produce FRP mine ventilation duct, and started an entirely new industry. These first non-metallic ducts were a big improvement over the heavier and conductive metal ducts. Our mine and tunnel ventilation ducts maintain an MSHA approval as a Class 1 rated duct system, and have been used in mining and tunneling applications now for 54 years. Spunstrand Inc. has a variety of duct configurations available to suit the needs of most any situation our customers may encounter.

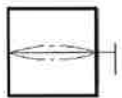
### PHYSICAL DATA

**Construction:** Fiberglass reinforced fiberglass plastic air duct for mining and tunneling applications is constructed using the filament winding process. Continuous fiberglass strands are impregnated with polyester resin and precision wound in a crisscrossed helical pattern. The resin is specifically formulated for mining applications to maximize toughness and durability and is highly resistant to both alkaline and acidic conditions.

**Shapes and Sizes:** Ventilation duct is available in round as standard and also oval and rectangular. Standard lengths are 10' or 20' although any length is available within shipping limitations. Standard size diameters range from 2" through 72", and larger can also be manufactured upon request.

**Standard Accessories:** D-Ring / Hangers and Bell & Spigot Connections with integrated gaskets for a low leakage seal.

### STANDARD FITTINGS



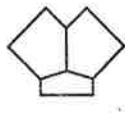
BALANCING DAMPER



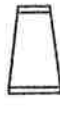
90° ELBOW



45° ELBOW



TRUE WYE



CON. RED.



ECC. RED.



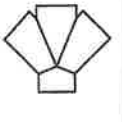
TEE



CROSS



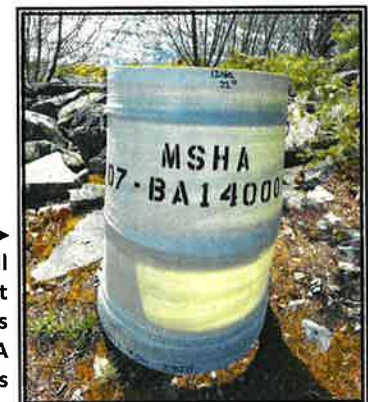
WYE BRANCH



DOUBLE WYE BRANCH



FRP Round Ventline  
←



→  
All Duct Receives MSHA Labels

Since 1960, Spunstrand Inc. has manufactured filament wound fiberglass rigid ventilation duct for the mining and tunneling industries. Our production plant is located in Wallace, ID and our corporate / sales office in Post Falls, ID.

# MINE & TUNNEL VENTILATION DUCT DATA



## FRP ROUND DUCT

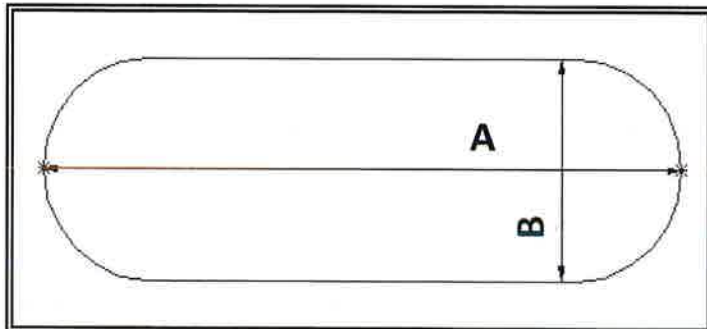
## OVAL SIZING

(see drawing below)

Ventilation duct is available in round as standard  
and also oval and rectangular

FRP ROUND DUCT			OVAL SIZING				Approx. Round Equivalent Dia. (I.D.)	
INCHES	mm	* Est. lbs / 10'	<u>A</u>		<u>B</u>		INCHES	mm
INCHES	mm		INCHES	mm	INCHES	mm	INCHES	mm
14	356	36	17 1/8	435	9 1/8	232	12 1/2	318
16	406	42	19 3/4	502	10 7/8	276	15 1/8	384
18	457	47	22 1/2	572	11 1/8	283	16 1/2	419
21	533	56	26 1/2	673	12	305	19 1/8	486
22	559	58	28 3/4	730	14 1/4	362	21 1/8	537
24	610	64	30	762	16	406	22 1/2	572
30	767	81	36 1/2	927	20 1/2	521	28 1/10	714
36	914	122	43	1,092	26	660	34 3/8	873
42	1,067	142	51	1,295	28	711	39 1/4	997
45	1,143	150	54	1,372	32 1/2	826	43 1/8	1,095
48	1,219	160	58	1,473	36	914	47 1/2	1,207

\* Actual lbs may vary and those listed are estimates which are solely intended as rough guidelines.



### OVAL SIZING

NOTE: Add 1" to dimension  
to determine bell  
end measurements

→  
26"Ø  
22.5 Deg.  
Elbow

