

 <p>7060 QUINCY ST.—WILLOWBROOK, IL 60521-5596 TEL: (630) 794-5700 • FAX: (630) 794-5776 WEB: http://www.nyb.com • E-MAIL: nyb@nyb.com</p>	FRP Standard PS 15-69	SALES BULLETIN SB-501 July 27, 1989
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Voluntary Product Standard PS 15-69 is used by nyb to define flange drilling on most of our FRP fans (see note 1). We also frequently see it referenced in specifications governing FRP pipe (duct). Occasionally, we are asked for additional information on the standard as it pertains to flanges and flange drilling which we have included in this sales bulletin. PS 15-69 was originally published by the U.S. Department of Commerce National Bureau of Standards (now the National Institute of Standards and Technology) and is now technically out of print.

Occasionally, ANSI pipe standards are specified. Since this standard was written for cast iron pipe, it is often misapplied with FRP. Because PS 15-69 was written expressly for FRP systems, nyb recommends its use. When discussing these two standards with a customer, remind the customer that most FRP applications specify the use of SST fasteners for bolted connections. While the PS 15-69 and ANSI 125/150 lb. standards usually call for the same number of bolts, bolt size does vary significantly as the hardware for ANSI standard must accommodate the loads attendant to iron, not FRP, pipe. Over the course of an entire installation, the dollar premium for SST fasteners to meet the ANSI standard could be significant.

PS 15-69 (Dimensions in inches)²

Nominal Pipe Size (I.D.)	Wall Thickness	Flange Diameter (O.D.)	Flange Thickness	Bolt Circle Diameter ³	Bolt Hole Diameter	Number of Bolts
2	1/8	6 ³ / ₈	1/4	5	7/16	4
3	1/8	7 ³ / ₈	1/4	6	7/16	4
4	1/8	8 ³ / ₈	1/4	7	7/16	4
6	1/8	10 ³ / ₈	1/4	9	7/16	8
8	1/8	12 ³ / ₈	1/4	11	7/16	8
10	1/8	14 ³ / ₈	3/8	13	7/16	12
12	1/8	16 ³ / ₈	3/8	15	7/16	12
14	1/8	18 ³ / ₈	3/8	17	7/16	12
16	1/8	20 ³ / ₈	1/2	19	7/16	16
18	1/8	22 ³ / ₈	1/2	21	7/16	16
20	1/8	24 ³ / ₈	1/2	23	7/16	20
24	3/16	28 ³ / ₈	1/2	27	7/16	20
30	3/16	34 ³ / ₈	1/2	33	7/16	28
36	3/16	40 ³ / ₈	1/2	39	7/16	32
42	1/4	46 ³ / ₈	5/8	45	7/16	36
48	1/4	54 ³ / ₈	5/8	52	9/16	44
54	1/4	60 ³ / ₈	5/8	58	9/16	44
60	1/4	66 ³ / ₈	5/8	64	9/16	52

1. FRP Fume Exhausters, FRP Radial Fume Exhausters and FRP Pressure Blowers only.
2. For specific fan inlet (outlet) flange dimensions, see appropriate product bulletin.
3. Bolt holes straddle centerlines.