

## Flange Test Plug Chart

For hydrostatic testing pipe to flange weld

Flange Test Plugs reduce expense and downtime delays and waste disposal problems associated with conventional flange testing. Our flange test plug lets you weld and test quickly and conveniently, significantly reducing the time needed to test the weld. Flange Test Plugs are designed for fast, simple installation. Just insert the plug into the pipe to be welded. Bolt the flange together and tighten the large compression nut to specifications. The flange to pipe weld is ready to be tested. A complete test requires minimum amount of water and no need to fill the entire line. This is an important consideration since anything contacting the material with pipe may need to be treated as hazardous waste. Seal not to exceed 200°F.

FLANGE		VENT & FILL PORT (NPTS):	A" (NPT)	L1	L2	L3	L4	EST. SHIPPING WEIGHT (LB)			
LINE SIZE:	# RATING:			Inch:	Inch:	Inch:	Inch:	150#	300#	400#	600#
3/4"	150# - 600#	1/16	1/8	12"	13-3/4"	1-1/4"	19-1/2"	8	9	9	9
1"	150# - 600#	1/8	1/8	12"	13-3/4"	1-1/4"	19-1/2"	9	10	11	11
1-1/4"	150# - 600#	1/8	1/4	12"	14-7/8"	1-5/8"	21-1/16"	10	11	13	13
1-1/2"	150# - 600#	1/4	1/4	12"	15"	1-3/4"	21-1/16"	11	14	15	15
2"	150# - 600#	1/4	1/4	12"	15-1/2"	2-1/4"	21-1/16"	14	17	19	19
2-1/2"	150# - 600#	1/4	1/2	12"	16-7/8"	2-3/4"	24"	20	23	25	25
3"	150# - 600#	3/4	1/2	12"	17-1/8"	3"	24"	26	31	33	33
3-1/2"	150# - 600#	3/4	1/2	12"	17-1/8"	3"	24"	29	35	38	38
4"	150# - 600#	3/4	1/2	12"	17-1/8"	3"	24"	32	41	44	55
6"	150# - 600#	3/4	1 1/4	12"	18-3/8"	3-1/2"	28-5/16"	70	90	93	129
8"	150# - 600#	3/4	1 1/4	12"	18-7/8"	4"	28-5/16"	146	174	180	228

A minimum of 1.5:1 Safety Factor

FLANGE		SHAFT DIA. (IN):	SHAFT (QTY):	L1	L2	L3	L4	EST. SHIPPING WEIGHT (LB)			
								150#	300#	400#	600#
LINE SIZE:	# RATING:			Inch:	Inch:	Inch:	Inch:	lb.	lb.	lb.	lb.
10"	150# - 600#	1-1/2"	4	12-7/8"	18-9/16"	4"	24-7/8"	215	263	284	367
12"	150# - 600#	1-1/2"	4	12-7/8"	19-9/16"	5"	24-7/8"	325	400	413	501
14"	150# - 600#	1-1/2"	4	12-1/2"	18-11/16"	4-1/2"	24-7/8"	425	515	536	616
16"	150# - 600#	1-1/2"	4	12-1/4"	18-7/16"	4-1/2"	24-7/8"	525	637	677	797
18"	150# - 300#	1-1/2"	4	12-1/8"	18-13/16"	5"	24-7/8"	616	775	n/a	n/a
18"	400#	1-1/2"	4	12-1/8"	18-13/16"	5"	24-7/8"	n/a	n/a	881	n/a
18"	600#	1-3/4"	4	12-1/8"	19-1/16"	5"	27-9/16"	n/a	n/a	n/a	919
20"	150#-300#	1-1/2"	4	12"	18-11/16"	5"	24-7/8"	716	906	n/a	n/a
20"	400#	1-1/2"	4	12"	18-11/16"	5"	24-7/8"	n/a	n/a	951	n/a
20"	600#	1-3/4"	4	12"	18-11/16"	5"	24-7/8"	n/a	n/a	n/a	1135
24"	150#-300#	1-1/2"	4	12-1/2"	19-1/8"	5"	24-7/8"	856	1126	n/a	n/a
24"	400#-600#	1-3/4"	8	12-1/2"	20-7/16"	6"	27-9/16"	n/a	n/a	1211	1461

A minimum of 1.5:1 Safety Factor

Class:	Maximum Test Pressure (PSI)
150-lb.	450
300-lb.	1,125
400-lb.	1,125
600-lb.	1,125



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