

Shan-Rod

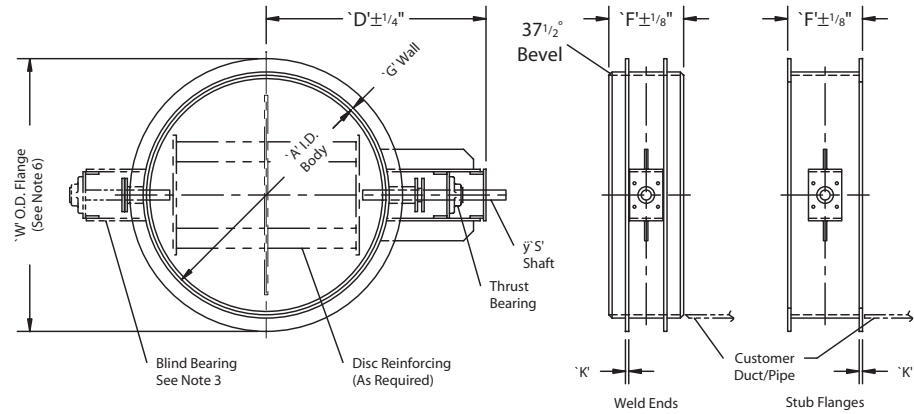
fabricated butterfly valves and dampers

bulletin 2700



Shan-Rod Fabricated Butterfly Dampers 2700 Series

Model 2700 Series Butterfly Damper



Construction and Material

The 2700 series fabricated weld end damper is constructed to be welded in between (2) two duct or pipe sections. Body stiffeners are provided depending on damper size and service conditions. Two (2) types of weld ends are offered. The standard 37½° bevel and the stub end flange for ease of fit-up. Materials of construction are identical to the 2400 series. Damper can be supplied in all weldable materials.

Operating Conditions

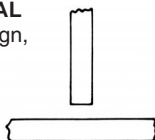
- A. Temperatures up to 850°F standard.
 - B. Temperatures up to 2600°F are optional.
 - C. Pressures of 50 PSIG static.
- Consult Bulletin 2400 for further information.

Notes

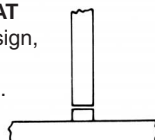
1. Larger Sizes and Special Sizes - Consult Factory.
2. Sizes 4-10" have Sch. 40 Wall thickness.
3. Blind End Bearing Standard on Size 72" and Larger.
4. Standard Shaft is Stub Type. Through Shaft is Available as an Option.
5. Sizes 4-10" do not have stiffener Rings on Weld End (37½° Bevel).

Nom Size	Valve Dimensions							Est Wts
	A	D	F	G	K	S	W	
4"	4"	14¾"	9"	②	⅜"	¾"	6½"	45# ⑥
5"	5⅙"	14¾"	9"	②	⅜"	¾"	7⅙"	50# ⑥
6"	6⅙"	14¾"	9"	②	⅜"	¾"	8⅙"	55# ⑥
8"	8"	17⅞"	9"	②	⅜"	1"	11⅝"	65# ⑥
10"	10"	18⅞"	9"	②	⅜"	1"	13¾"	70# ⑥
12"	12"	20"	9"	⅜"	⅜"	1"	15¾"	75#
14"	13½"	20⅞"	12"	⅜"	⅜"	1"	18¼"	80#
16"	15½"	22"	12"	⅜"	⅜"	1"	20¼"	85#
18"	17½"	23"	12"	⅜"	⅜"	1"	22¼"	90#
20"	19½"	24⅞"	12"	⅜"	⅜"	1¼"	24¼"	100#
22"	21½"	25¼"	12"	⅜"	⅜"	1¼"	26¼"	110#
24"	23¼"	26¼"	12"	⅜"	⅜"	1¼"	28"	140#
26"	25¼"	27⅞"	12"	⅜"	⅜"	1¼"	30"	150#
28"	27¼"	28½"	12"	⅜"	⅜"	1¼"	32"	175#
30"	29¼"	29½"	12"	⅜"	⅜"	1½"	34"	190#
32"	31¼"	30½"	12"	⅜"	⅜"	1½"	36"	245#
34"	33¼"	31½"	12"	⅜"	⅜"	1½"	38"	260#
36"	35¼"	32½"	12"	⅜"	⅜"	1½"	41"	280#
38"	37¼"	33⅝"	12"	½"	⅜"	1½"	43¼"	300#
40"	39¼"	34⅝"	12"	½"	⅜"	1½"	45¼"	365#
42"	41¼"	35⅝"	12"	½"	⅜"	1½"	47¼"	475#
44"	43¼"	36¾"	12"	½"	½"	1¾"	49¼"	515#
46"	45¼"	37¾"	12"	½"	½"	1¾"	51¼"	550#
48"	47¼"	38¾"	12"	½"	½"	1¾"	54¼"	585#
50"	49"	39¾"	12"	½"	½"	1¾"	56"	610#
52"	51"	40¾"	12"	½"	½"	1¾"	58"	660#
54"	53"	41¾"	12"	½"	½"	1¾"	60"	800#
60"	59"	44¾"	12"	½"	½"	1¾"	67"	1000#
66"	65"	47¾"	18"	½"	½"	2"	73"	1565#
72"	71"	50¾"	18"	½"	½"	2½"	79"	1805#
84"	83"	56¾"	18"	½"	½"	2½"	92"	2515#
96"	95"	62¾"	18"	½"	½"	3"	104"	3260#
108"	107"	68¾"	18"	½"	½"	3"	116"	3835#
120"	119"	74¾"	18"	½"	½"	3"	128"	4490#

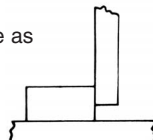
CONVENTIONAL
Swing-thru design,
*4-5% leakage.



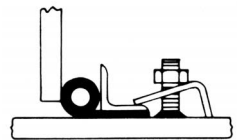
SCISSOR SEAT
Swing-thru design,
approx.
*1-2% leakage.



METAL SEAT
Materials same as
body - approx.
*1% leakage.



TADPOLE SEAT
Material furnished
varies with service.
Temp. to 1800° F.
approx.
*1/4 of 1% leakage.



* Leakage based on damper capacity.

As we are continually developing our products, the design of SHAN•ROD valves is subject to change without notice.