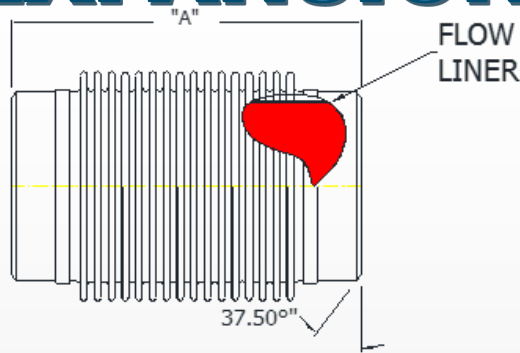


WELD END EXPANSION JOINTS

1. T-321 S/S BELLOWS **MULTI-PLY**
2. 3" TO 18" A53 C/S STANDARD WALL PIPE
BEVELED FOR WELDING
NOTE: 20" AND LARGER ARE 1/4" THICK A-36
BEVELED FOR WELDING
3. S/S FLOW LINER (OPTIONAL)
 - DESIGN PER EJMA 9TH EDITION
 - WELDING PER ASME SECTION IX
 - RATED: 5 PSIG @ 1000 DEG.F



OPTIONS

- T304 S/S WELD ENDS
- SCHED 10 WELD ENDS
- NO WELD BEVEL

For Alloy X bellows add: -X, Inconel 625 bellows add: -625, optional flow liner add -L to end of P/N

6" BELLOWS LENGTH

SIZE	"A"	INLET I.D.	OUTLET I.D.	MULTI-PLY PART NUMBER
3"	12"	3" PIPE	3" PIPE	50-30640
3-1/2"	12"	3.5" PIPE	3.5" PIPE	50-35640
4"	12"	4" PIPE	4" PIPE	50-40640
5"	12"	5" PIPE	5" PIPE	50-50640
6"	12"	6" PIPE	6" PIPE	50-60640
8"	12"	8" ANSI	8" PIPE	50-80640
10"	12"	10" PIPE	10" PIPE	50-100640
12"	12"	12" PIPE	12" PIPE	50-120640
14"	12"	14" PIPE	14" PIPE	50-140640
16"	12"	16" PIPE	16" PIPE	50-160640
18"	12"	18" PIPE	18" PIPE	50-180640
20"	12"	20" PIPE	20" PIPE	50-200640
22"	12"	22" PIPE	22" PIPE	50-220640
24"	12"	24" PIPE	24" PIPE	50-240640
26"	12"	26" PIPE	26" PIPE	50-260640
28"	12"	28" PIPE	28" PIPE	50-280640
30"	12"	30" PIPE	30" PIPE	50-300640
32"	12"	32" PIPE	32" PIPE	50-320640
34"	12"	34" PIPE	34" PIPE	50-340640
36"	12"	36" PIPE	36" PIPE	50-360640
38"	12"	38" PIPE	38" PIPE	50-380640
40"	12"	40" PIPE	40" PIPE	50-400640
42"	12"	42" PIPE	42" PIPE	50-420640
44"	12"	44" PIPE	44" PIPE	50-440640
46"	12"	46" PIPE	46" PIPE	40-460640
48"	12"	48" PIPE	48" PIPE	50-480640

9" BELLOWS LENGTH

SIZE	"A"	INLET I.D.	OUTLET I.D.	MULTI-PLY PART NUMBER
3"	15"	3" PIPE	3" PIPE	50-3040
3-1/2"	15"	3.5" PIPE	3.5" PIPE	50-3540
4"	15"	4" PIPE	4" PIPE	50-4040
5"	15"	5" PIPE	5" PIPE	50-5040
6"	15"	6" PIPE	6" PIPE	50-6040
8"	15"	8" ANSI	8" PIPE	50-8040
10"	15"	10" PIPE	10" PIPE	50-10040
12"	15"	12" PIPE	12" PIPE	50-12040
14"	15"	14" PIPE	14" PIPE	50-14040
16"	15"	16" PIPE	16" PIPE	50-16040
18"	15"	18" PIPE	18" PIPE	50-18040
20"	15"	20" PIPE	20" PIPE	50-20040
22"	15"	22" PIPE	22" PIPE	50-22040
24"	15"	24" PIPE	24" PIPE	50-24040
26"	15"	26" PIPE	26" PIPE	50-26040
28"	15"	28" PIPE	28" PIPE	50-28040
30"	15"	30" PIPE	30" PIPE	50-30040
32"	15"	32" PIPE	32" PIPE	50-32040
34"	15"	34" PIPE	34" PIPE	50-34040
36"	15"	36" PIPE	36" PIPE	50-36040
38"	15"	38" PIPE	38" PIPE	50-38040
40"	15"	40" PIPE	40" PIPE	50-40040
42"	15"	42" PIPE	42" PIPE	50-42040
44"	15"	44" PIPE	44" PIPE	50-44040
46"	15"	46" PIPE	46" PIPE	40-46040
48"	15"	48" PIPE	48" PIPE	50-48040

12" BELLOWS LENGTH

SIZE	"A"	INLET I.D.	OUTLET I.D.	MULTI-PLY PART NUMBER
3"	18"	3" PIPE	3" PIPE	N/A
3-1/2"	18"	3.5" PIPE	3.5" PIPE	N/A
4"	18"	4" PIPE	4" PIPE	50-401240
5"	18"	5" PIPE	5" PIPE	50-501240
6"	18"	6" PIPE	6" PIPE	50-601240
8"	18"	8" ANSI	8" PIPE	50-801240
10"	18"	10" PIPE	10" PIPE	50-1001240
12"	18"	12" PIPE	12" PIPE	50-1201240
14"	18"	14" PIPE	14" PIPE	50-1401240
16"	18"	16" PIPE	16" PIPE	50-1601240
18"	18"	18" PIPE	18" PIPE	50-1801240
20"	18"	20" PIPE	20" PIPE	50-2001240
22"	18"	22" PIPE	22" PIPE	50-2201240
24"	18"	24" PIPE	24" PIPE	50-2401240
26"	18"	26" PIPE	26" PIPE	50-2601240
28"	18"	28" PIPE	28" PIPE	50-2801240
30"	18"	30" PIPE	30" PIPE	50-3001240
32"	18"	32" PIPE	32" PIPE	50-3201240
34"	18"	34" PIPE	34" PIPE	50-3401240
36"	18"	36" PIPE	36" PIPE	50-3601240
38"	18"	38" PIPE	38" PIPE	50-3801240
40"	18"	40" PIPE	40" PIPE	50-4001240
42"	18"	42" PIPE	42" PIPE	50-4201240
44"	18"	44" PIPE	44" PIPE	50-4401240
46"	18"	46" PIPE	46" PIPE	40-4601240
48"	18"	48" PIPE	48" PIPE	50-4801240



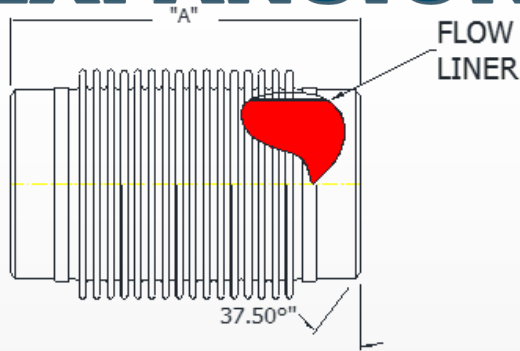
INTERNAL FLOW LINERS ARE REQUIRED IF THE FLOW VELOCITY IS GREATER THAN OR EQUAL TO:
6" AND UNDER 4 FT / SEC / INCH OF DIAMETER 8" AND OVER 25 FT / SECOND

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WELD END EXPANSION JOINTS

1. T-321 S/S BELLOWS **SINGLE-PLY**
2. 3" TO 18" A53 C/S STANDARD WALL PIPE
BEVELED FOR WELDING
NOTE: 20" AND LARGER ARE 1/4" THICK A-36
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3. S/S FLOW LINER (OPTIONAL)
 - DESIGN PER EJMA 9TH EDITION
 - WELDING PER ASME SECTION IX
 - RATED: 5 PSIG @ 1000 DEG.F



OPTIONS

- T304 S/S WELD ENDS
- SCHED 10 WELD ENDS
- NO WELD BEVEL

For Alloy X bellows add: -X, Inconel 625 bellows add: -625, optional flow liner add -L to end of P/N

6" BELLOWS LENGTH

SIZE	"A"	INLET I.D.	OUTLET I.D.	SINGLE-PLY PART NUMBER
3"	12"	3" PIPE	3" PIPE	CALL
3-1/2"	12"	3.5" PIPE	3.5" PIPE	CALL
4"	12"	4" PIPE	4" PIPE	CALL
5"	12"	5" PIPE	5" PIPE	CALL
6"	12"	6" PIPE	6" PIPE	CALL
8"	12"	8" ANSI	8" PIPE	CALL
10"	12"	10" PIPE	10" PIPE	CALL
12"	12"	12" PIPE	12" PIPE	CALL
14"	12"	14" PIPE	14" PIPE	CALL
16"	12"	16" PIPE	16" PIPE	CALL
18"	12"	18" PIPE	18" PIPE	CALL
20"	12"	20" PIPE	20" PIPE	CALL
22"	12"	22" PIPE	22" PIPE	CALL
24"	12"	24" PIPE	24" PIPE	CALL
26"	12"	26" PIPE	26" PIPE	CALL
28"	12"	28" PIPE	28" PIPE	CALL
30"	12"	30" PIPE	30" PIPE	CALL
32"	12"	32" PIPE	32" PIPE	CALL
34"	12"	34" PIPE	34" PIPE	CALL
36"	12"	36" PIPE	36" PIPE	CALL
38"	12"	38" PIPE	38" PIPE	CALL
40"	12"	40" PIPE	40" PIPE	CALL
42"	12"	42" PIPE	42" PIPE	CALL
44"	12"	44" PIPE	44" PIPE	CALL
46"	12"	46" PIPE	46" PIPE	CALL
48"	12"	48" PIPE	48" PIPE	CALL

9" BELLOWS LENGTH

SIZE	"A"	INLET I.D.	OUTLET I.D.	SINGLE-PLY PART NUMBER
3"	15"	3" PIPE	3" PIPE	50-3045
3-1/2"	15"	3.5" PIPE	3.5" PIPE	50-3545
4"	15"	4" PIPE	4" PIPE	50-4045
5"	15"	5" PIPE	5" PIPE	50-5045
6"	15"	6" PIPE	6" PIPE	50-6045
8"	15"	8" ANSI	8" PIPE	50-8045
10"	15"	10" PIPE	10" PIPE	50-10045
12"	15"	12" PIPE	12" PIPE	50-12045
14"	15"	14" PIPE	14" PIPE	50-14045
16"	15"	16" PIPE	16" PIPE	50-16045
18"	15"	18" PIPE	18" PIPE	50-18045
20"	15"	20" PIPE	20" PIPE	50-20045
22"	15"	22" PIPE	22" PIPE	50-22045
24"	15"	24" PIPE	24" PIPE	50-24045
26"	15"	26" PIPE	26" PIPE	50-26045
28"	15"	28" PIPE	28" PIPE	50-28045
30"	15"	30" PIPE	30" PIPE	50-30045
32"	15"	32" PIPE	32" PIPE	50-32045
34"	15"	34" PIPE	34" PIPE	50-34045
36"	15"	36" PIPE	36" PIPE	50-36045
38"	15"	38" PIPE	38" PIPE	50-38045
40"	15"	40" PIPE	40" PIPE	50-40045
42"	15"	42" PIPE	42" PIPE	50-42045
44"	15"	44" PIPE	44" PIPE	50-44045
46"	15"	46" PIPE	46" PIPE	40-46045
48"	15"	48" PIPE	48" PIPE	50-48045

12" BELLOWS LENGTH

SIZE	"A"	INLET I.D.	OUTLET I.D.	SINGLE-PLY PART NUMBER
3"	18"	3" PIPE	3" PIPE	N/A
3-1/2"	18"	3.5" PIPE	3.5" PIPE	N/A
4"	18"	4" PIPE	4" PIPE	50-401245
5"	18"	5" PIPE	5" PIPE	50-501245
6"	18"	6" PIPE	6" PIPE	50-601245
8"	18"	8" ANSI	8" PIPE	50-801245
10"	18"	10" PIPE	10" PIPE	50-1001245
12"	18"	12" PIPE	12" PIPE	50-1201245
14"	18"	14" PIPE	14" PIPE	50-1401245
16"	18"	16" PIPE	16" PIPE	50-1601245
18"	18"	18" PIPE	18" PIPE	50-1801245
20"	18"	20" PIPE	20" PIPE	50-2001245
22"	18"	22" PIPE	22" PIPE	50-2201245
24"	18"	24" PIPE	24" PIPE	50-2401245
26"	18"	26" PIPE	26" PIPE	50-2601245
28"	18"	28" PIPE	28" PIPE	50-2801245
30"	18"	30" PIPE	30" PIPE	50-3001245
32"	18"	32" PIPE	32" PIPE	50-3201245
34"	18"	34" PIPE	34" PIPE	50-3401245
36"	18"	36" PIPE	36" PIPE	50-3601245
38"	18"	38" PIPE	38" PIPE	50-3801245
40"	18"	40" PIPE	40" PIPE	50-4001245
42"	18"	42" PIPE	42" PIPE	50-4201245
44"	18"	44" PIPE	44" PIPE	50-4401245
46"	18"	46" PIPE	46" PIPE	40-4601245
48"	18"	48" PIPE	48" PIPE	50-4801245



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