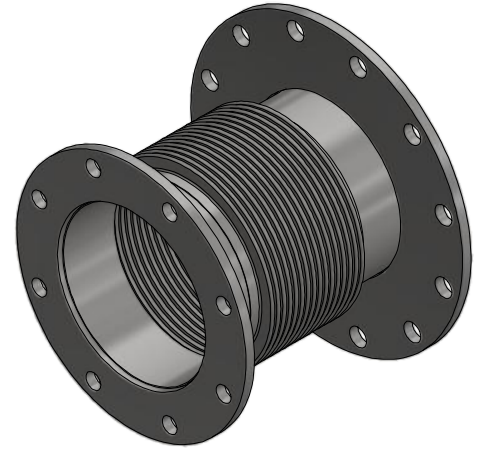
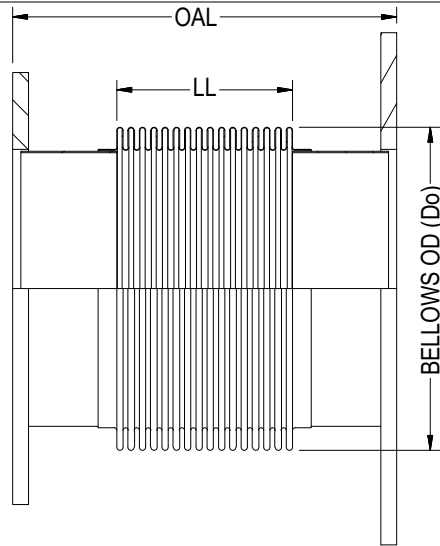


TYPE-04



ISOMETRIC VIEW

STANDARD SIZES TYPE-04

PIPE SIZE	BELLOWS OD (Do)	LIVE LENGTH (LL)	OVERALL LENGTH (OAL)
1-1/2	2.72	2.00	8.50
2	3.10	2.00	8.50
2	3.10	6.00	12.50
2-1/2	3.70	2.00	8.50
2-1/2	3.70	6.00	12.50
3	4.40	6.00	12.50
4	5.36	2.50	9.00
4	5.36	5.50	12.00
4	5.15	9.00	15.50
5	6.00	2.50	9.00
5	6.70	3.00	9.50
5	6.55	5.50	12.00
6	7.70	3.00	9.50
6	7.63	5.50	12.00
6	7.75	5.00	11.50
8	10.10	4.13	10.63
8	10.10	5.50	12.00
10	12.10	4.00	10.5
10	12.00	5.50	12.00
12	14.00	10.00	16.50
12	14.80	6.00	12.50

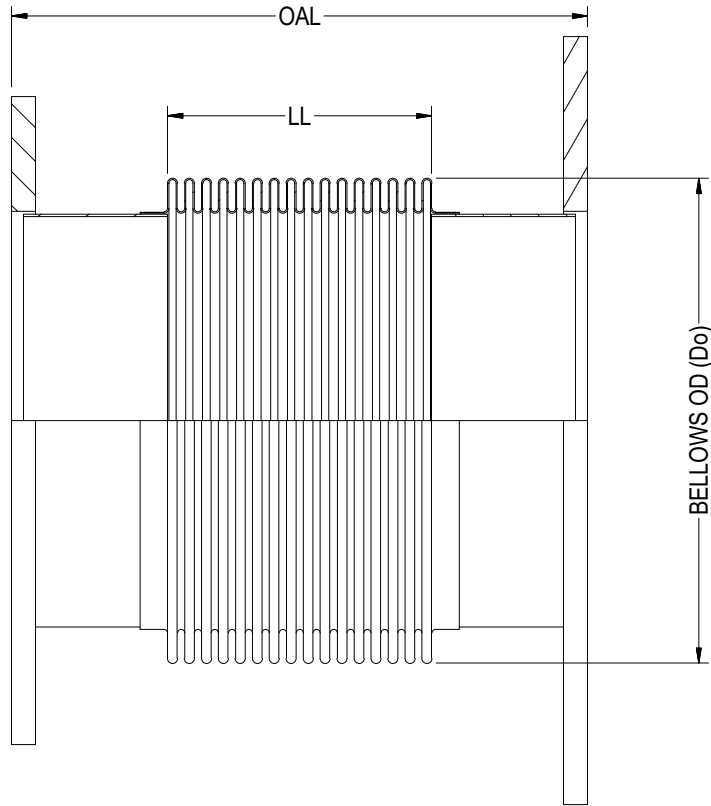
STANDARD SIZES TYPE-04

PIPE SIZE	BELLOWS OD (Do)	LIVE LENGTH (LL)	OVERALL LENGTH (OAL)
14	16.30	1.25	7.75
14	15.75	13.00	19.50
16	18.30	2.00	7.50
16	17.75	8.00	14.50
18	20.20	4.00	10.50
18	20.20	10.00	16.50
18	20.20	13.00	19.50
20	22.00	4.00	10.50
20	22.25	4.50	11.50
20	21.91	9.00	15.50
20	21.75	13.50	20.00
24	25.90	5.00	11.50
24	26.00	13.00	19.50
24	25.75	20.00	26.50
26	27.75	14.00	20.50
26	27.75	18.00	24.50
28	30.70	12.50	19.00
30	31.75	2.00	7.50
30	31.75	18.00	24.50
36	38.25	2.50	9.00
36	37.97	9.00	15.50

NOTES:

1. FLANGES ARE OF 150# LW PLT-1/2" THK AND 150# RED-1/2" THK.
2. FLANGE MATERIAL IS ASTM A-36. FOR OTHER OPTIONAL MATERIAL PLEASE CONTACT BSI.
3. OAL IS BASED ON LIVE LENGTH. FOR OTHER OPTIONAL LENGTH PLEASE PROVIDE THEM IN THE SPECIFICATION SHEET.
4. MATERIAL OF BELLOWS IS ASTM A-240 GRADE 321 ON REQUEST OTHER STAINLESS STEEL, NICKEL ALLOYS OR OTHER MATERIALS ARE AVAILABLE ON REQUEST.
5. AVAILABLE IN 1 PLY, 2 PLY OR 3 PLY STANDARD.
6. PRESSURE RANGE IS FULL VACCUUM TO 1500 PSIG.
7. TEMPERATURE RANGE IS CRYOGENIC TO 1600°F.
8. FOR MOVEMENTS AND LIFE CYCLE REFER TO BELLOWS CATALOG OR CONTACT BSI ENGINEERING.

 Bellows Systems CAGE CODE: 22727						BELLOWS SYSTEMS, INC. Houston, TX www.bellows-systems.com					
						STD SINGLE EXPANSION JOINT W/ 150# LW PLT & 150# RED					
						DRAWING NUMBER: 130-CAT-0004					
						SHEET#: 1 OF 2 REV. A					
REV.	DESCRIPTION	DATE:	BY:	CHKD:	APPD:	SHEET SIZE: 8.5" x 11"	DRAWN BY: U GULATI	DATE: 02/23/2023	SCALE: AS SHOWN		
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DESIGN

PRESSURE: _____

TEMPERATURE: _____

MOVEMENTS & LIFE CYCLE

AXIAL COMPRESSION: _____

AXIAL EXTENSION: _____

LATERAL: _____

ANGULAR: _____

NO. OF CYCLES: _____

MATERIAL

BELLOWS: _____

FLANGE: _____

DIMENSIONS

PIPE SIZE: _____

OVERALL LENGTH: _____

DESIGN CODES/STANDARDS: EJMA/ ASME SEC VIII DIV I/ ASME B31.1/ ASME B31.3

						 Bellows Systems		BELLOWS SYSTEMS, INC. Houston, TX www.bellows-systems.com	
								SINGLE EXPANSION JOINT W/ 150# PLT & 150# RED SPECIFICATION SHEET	
REV.	DESCRIPTION	DATE:	BY:	CHKD:	APPD:	CAGE CODE: 22727		DRAWING NUMBER:	130-CAT-0004
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						SCALE: AS SHOWN		REV. A	SHEET#: 2 OF 2