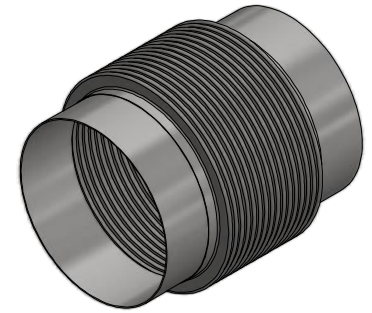
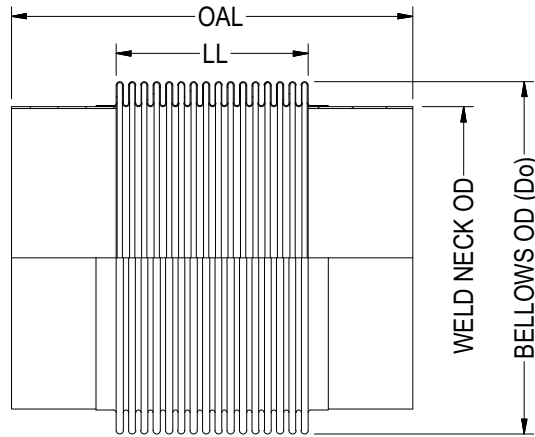




W/WELD NECK STANDARD 2 PLY BELLOWS DATA SHEETS



STANDARD 2 PLY



ISOMETRIC VIEW

PART NUMBER	NOM. SIZE	WELD NECK OD	BELLOWS OD (Do)	LIVE LENGTH (LL)	OVERALL LENGTH (OAL)	AXIAL SPRING RATE (LBF/IN.)	LATERAL SPRING RATE (LBF/IN.)	ANGULAR SPRING RATE (FT. LBS/DEG.)	AXIAL MOVEMENT (IN.)	LATERAL MOVEMENT (IN.)	ANGULAR MOVEMENT (DEG.)	MAX. ALLOWABLE PRESSURE (PSIG)
960-020-2005	1.5	2.14	3.10	2.00	5.00	139	334	0.20	0.84	0.34	30.42	55
960-020-2406	2	2.43	3.10	2.00	6.00	472	1,258	0.70	0.64	0.16	25.05	55
960-020-2412	2	2.43	3.10	6.00	12.00	188	58	0.30	1.75	1.28	24.82	40
960-020-2906	2.5	2.90	3.70	2.00	6.00	333	1,264	0.70	0.84	0.18	28.06	30
960-020-2912	2.5	2.90	3.70	6.00	12.00	131	58	0.30	2.34	1.44	9.13	15
960-020-3506	3	3.55	4.40	2.00	6.00	496	2,661	1.40	0.76	0.13	20.90	15
960-020-3512	3	3.55	4.40	6.00	12.00	132	85	0.40	2.55	1.31	7.81	15
960-020-4406	4	4.56	5.36	2.50	6.00	503	2,739	2.30	0.92	0.16	28.49	15
960-020-4412	4	4.56	5.36	5.50	11.50	229	655	1.00	2.00	0.75	20.94	20
960-020-4418	4	4.56	5.15	9.00	18.00	451	192	1.90	1.64	1.03	28.06	15
960-020-5508	5	5.62	6.70	3.00	8.00	305	1,726	2.10	1.42	0.26	25.29	25
960-020-5512	5	5.62	6.55	5.50	11.50	409	1,516	2.80	1.77	0.55	27.79	45
960-020-6508	6	6.68	7.70	3.00	8.00	420	3,239	4.00	1.35	0.20	19.64	30
960-020-6512	6	6.68	7.63	5.50	11.50	453	1,093	4.20	1.81	0.48	24.63	25
960-020-6712	6	6.79	7.75	5.00	12.00	274	820	2.60	2.09	0.49	19.61	30
960-020-8508	8	8.64	10.10	4.13	7.63	136	971	2.20	1.93	0.51	5.44	15
960-020-8512	8	8.65	10.10	5.50	11.50	167	2,138	2.70	2.44	0.76	6.26	15

A	FOR REVIEW	7/17/2025	UG		
REV.	DESCRIPTION	DATE:	BY:	CHKD:	APPD:

THIS DRAWING AND ALL OF THE INFORMATION HEREIN ARE THE SOLE PROPERTY OF BELLOWS SYSTEMS, INC. AND MAY NOT BE REPRODUCED OR DISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF BELLOWS SYSTEMS, INC. (BSI).

SHEET SIZE:
8.5" x 11"



**Bellows
Systems**

CAGE CODE: 22727

DRAWN BY:

U GULATI

DATE:

7/17/2025

SCALE:

AS SHOWN

BELLOWS SYSTEMS, INC.

Houston, TX

www.bellows-systems.com

BELLOWS ELEMENT W/ WELD NECK
STANDARD 2 PLY

DRAWING
NUMBER:

960-02X-XXXX

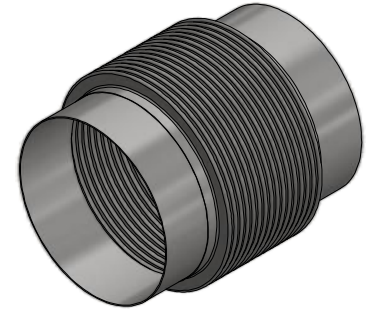
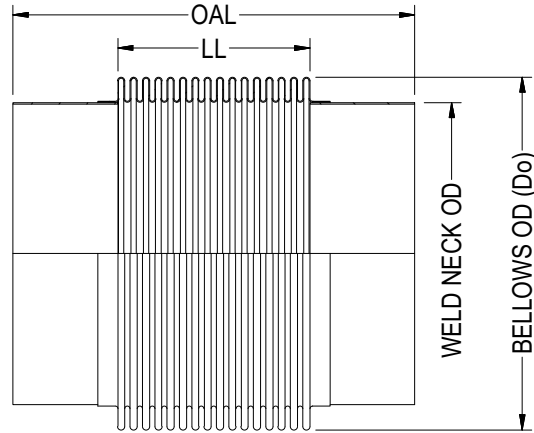
SHEET#:

1 OF 3

REV.

A

STANDARD 2 PLY



ISOMETRIC VIEW

PART NUMBER	NOM. SIZE	WELD NECK OD	BELLOWS OD (Do)	LIVE LENGTH (LL)	OVERALL LENGTH (OAL)	AXIAL SPRING RATE (LBF/IN.)	LATERAL SPRING RATE (LBF/IN.)	ANGULAR SPRING RATE (FT. LBS/DEG.)	AXIAL MOVEMENT (IN.)	LATERAL MOVEMENT (IN.)	ANGULAR MOVEMENT (DEG.)	MAX. ALLOWABLE PRESSURE (PSIG)
960-021-1004	10	10.85	12.00	2.00	4.00	846	53,292	20.10	1.02	0.06	9.93	20
960-021-1012	10	10.00	11.15	5.50	11.50	402	6,262	8.20	2.39	0.42	21.86	20
960-021-1108	10	10.85	12.10	4.00	7.50	502	5,672	12.00	1.85	0.23	17.34	25
960-021-1112	10	10.85	12.00	5.50	11.50	435	2,659	10.30	2.38	0.39	20.36	15
960-021-1210	12	12.83	14.00	10.00	11.50	769	1,986	25.20	2.81	0.71	20.04	40
960-021-1312	12	12.82	14.30	10.50	12.00	1,116	5,716	37.40	2.75	0.73	20.28	55
960-021-1313	12	12.82	14.80	6.00	13.00	718	7,103	24.90	2.79	0.44	21.48	85
960-021-1318	12	12.82	14.00	8.00	18.00	417	4,136	13.70	3.01	0.62	15.89	25
960-021-1323	12	12.82	14.30	13.50	23.50	868	1,252	29.10	3.52	1.20	23.85	55
960-021-1412	14	14.10	16.00	4.50	11.50	1,380	51,728	57.00	1.85	0.20	13.46	50
960-021-1423	14	14.14	15.75	13.00	23.00	703	1,326	28.60	3.93	1.17	23.75	50
960-021-1604	16	16.16	18.35	1.88	3.50	2,001	183,269	108.30	0.98	0.05	7.40	45
960-021-1818	18	18.10	20.20	10.00	18.50	597	3,068	39.90	4.55	0.82	16.89	45
960-021-1823	18	18.10	20.20	13.00	23.00	437	1,355	29.20	5.95	1.41	8.84	45
960-021-2006	20	20.10	22.00	4.00	5.50	419	14,832	33.80	2.02	0.20	12.82	20
960-021-2012	20	20.16	22.25	4.50	12.00	1,450	126,411	118.70	2.08	0.16	10.78	20
960-021-2018	20	20.16	21.91	9.00	18.00	1,294	9,764	104.30	2.88	0.43	28.48	35

A	FOR REVIEW	7/17/2025	UG		
REV.	DESCRIPTION	DATE:	BY:	CHKD:	APPD:

THIS DRAWING AND ALL OF THE INFORMATION HEREIN ARE THE SOLE PROPERTY OF BELLOWS SYSTEMS, INC. AND MAY NOT BE REPRODUCED OR DISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF BELLOWS SYSTEMS, INC. (BSI).

SHEET SIZE:
8.5" x 11"



**Bellows
Systems**

CAGE CODE: 22727

DRAWN BY:

U GULATI

DATE:

7/17/2025

SCALE:

AS SHOWN

BELLOWS SYSTEMS, INC.

Houston, TX
www.bellows-systems.com

BELLOWS ELEMENT W/ WELD NECK
STANDARD 2 PLY

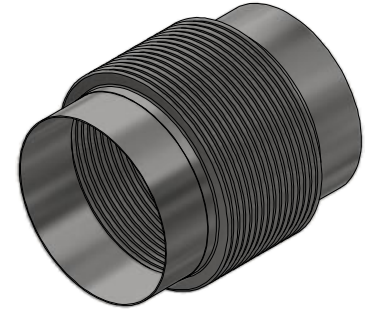
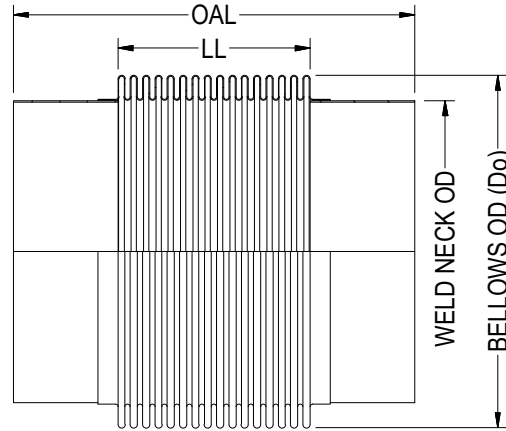
DRAWING
NUMBER:

960-02X-XXXX

SHEET#:
2 OF 3

REV.
A

STANDARD 2 PLY



ISOMETRIC VIEW

PART NUMBER	NOM. SIZE	WELD NECK OD	BELLOWS OD (Do)	LIVE LENGTH (LL)	OVERALL LENGTH (OAL)	AXIAL SPRING RATE (LBF/IN.)	LATERAL SPRING RATE (LBF/IN.)	ANGULAR SPRING RATE (FT. LBS/DEG.)	AXIAL MOVEMENT (IN.)	LATERAL MOVEMENT (IN.)	ANGULAR MOVEMENT (DEG.)	MAX. ALLOWABLE PRESSURE (PSIG)
960-021-2023	20	20.16	21.75	13.50	23.50	1,163	3,975	93.00	3.59	0.79	16.62	35
960-021-2412	24	24.25	25.90	5.00	11.50	5,812	195,109	672.00	1.21	0.09	5.44	15
960-021-2418	24	24.25	26.00	12.00	18.00	1,086	6,753	124.80	3.94	0.65	15.50	30
960-021-2422	24	24.25	26.00	13.00	22.00	935	5,005	107.50	4.48	0.79	17.04	30
960-021-2436	24	24.25	25.75	20.00	36.00	2,309	5,201	262.70	3.53	0.96	14.06	15
960-021-2622	26	26.22	27.75	14.00	22.00	1,713	8,981	227.00	3.26	0.58	12.23	35
960-021-2630	26	26.22	27.75	18.00	31.00	1,300	4,189	172.30	4.25	0.96	14.71	25
960-021-2824	28	28.20	30.70	12.50	23.50	229	1,804	36.20	5.92	1.34	1.10	25
960-021-3010	30	30.16	31.75	4.00	10.00	9,545	739,607	1665.00	0.93	0.04	3.44	35
960-021-3016	30	30.18	32.00	8.00	18.00	1,878	38,822	330.40	2.70	0.24	9.39	25
960-021-3029	30	30.18	31.75	18.00	29.00	1,381	5,861	241.00	4.40	0.87	13.49	25
960-021-3612	36	36.10	38.40	6.00	12.00	1,455	74,986	367.30	2.85	0.17	9.10	25
960-021-3617	36	36.10	37.97	9.00	17.00	3,721	87,148	928.60	2.43	0.20	7.27	30

NOTES:

- BELLOWS MATERIAL: ASTM A-240 GRADE 321.
- WELD NECK MATERIAL: ASTM A-240 GRADE 304.
- DESIGN PRESSURE: 15 PSI.
- DESIGN TEMPERATURE: 800°F.
- ALL MOVEMENTS ARE RATED FOR 5000 CYLES NON CONCURRENT.

A	FOR REVIEW	7/17/2025	UG		
REV.	DESCRIPTION	DATE:	BY:	CHKD:	APPD:

THIS DRAWING AND ALL OF THE INFORMATION HEREIN ARE THE SOLE PROPERTY OF BELLOWS SYSTEMS, INC. AND MAY NOT BE REPRODUCED OR DISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF BELLOWS SYSTEMS, INC. (BSI).

SHEET SIZE:
8.5" x 11"



CAGE CODE: 22727

DRAWN BY:

U GULATI

DATE:

7/17/2025

SCALE:

AS SHOWN

BELLOWS SYSTEMS, INC.

Houston, TX

www.bellows-systems.com

BELLOWS ELEMENT W/ WELD NECK
STANDARD 2 PLY

DRAWING
NUMBER:

960-02X-XXXX

SHEET#:

3 OF 3

REV.

A



Bellows Systems Inc
10950 Brittmoore Park Dr,
Houston, TX 77041, United States

Sales
(800) 233-0623

For Sales Enquiries
sales@bellows-systems.com

www.bellows-systems.com

