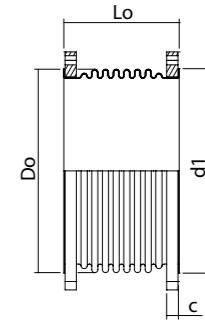


EXHAUST EXPANSION JOINTS WITH LOOSE FLANGES

US1BU / ID no. 11

PN 1 - with flange drilling according to DIN 86044

Weblink: 13502



US

DN	MOVEMENT			LENGTH	ID no.	FLANGE		BELLOW		ADJUSTING FORCES			WEIGHT	DN	MOVEMENT			LENGTH	ID no.	FLANGE		BELLOW		ADJUSTING FORCES			WEIGHT
	AX 2δN mm	LA 2λN mm	AN 2αN deg.			Thickness c mm	OFD * d1 mm	Outside diameter Do mm	Eff. cross- section A cm ²	AX Cδ N/mm	LA Cλ N/mm	AN Cα Nm/deg.			kg	Nominal diameter	AX 2δN mm			LA 2λN mm	AN 2αN deg.	Built-in length Lo mm	Thickness c mm	OFD * d1 mm	Outside diameter Do mm	Eff. cross- section A cm ²	
50	30	18	50	140	11.007.10	20	80	69	27,9	73	36	0,6	5,8	400	90	8	23	185	11.018.10	16	442	461	1478	59	1710	25	27,8
50	49	50	50	210	11.007.20	20	80	69	27,9	45	8,1	0,4	5,9	400	151	23	39	260	11.018.20	16	442	461	1478	36	371	15	29,8
65	34	15	50	130	11.008.10	20	98	87	46,0	64	65	0,9	6,7	400	226	56	50	365	11.018.30	16	441	457	1459	44	184	18	38,0
65	55	39	50	190	11.008.20	20	98	87	46,0	40	16	0,6	6,9	450	91	7	21	185	11.019.10	16	493	511	1842	69	2510	36	32,0
65	73	68	50	235	11.008.30	20	98	87	46,0	31	7	0,4	7,0	450	152	21	35	260	11.019.20	16	493	511	1842	42	543	22	34,3
80	34	8	38	135	11.009.10	20	113	114	79,4	64	233	1,4	7,6	450	223	49	50	365	11.019.30	16	492	510	1832	44	227	23	43,5
80	56	22	50	180	11.009.20	20	113	114	79,4	38	51	0,9	7,9	500	108	8	23	210	11.020.10	16	544	566	2263	72	2960	46	34,7
80	85	51	50	235	11.009.30	20	113	114	79,4	26	15	0,6	8,0	500	184	27	39	305	11.020.20	16	544	564	2254	45	540	28	37,2
100	49	9	43	145	11.010.10	22	141	145	131	40	274	1,5	9,5	500	270	59	50	415	11.020.30	16	543	564	2248	47	253	29	47,3
100	70	19	50	180	11.010.20	22	141	144	130	29	87	1,1	9,6	600	101	6	17	250	11.022.10	20	643	679	3257	129	7410	116	54,2
100	119	59	50	255	11.010.30	22	141	144	129	27	26	1	10,7	600	177	21	31	340	11.022.20	20	643	679	3257	74	1390	67	58,0
125	49	7	36	145	11.011.10	22	170	171	188	46	459	2,4	11,7	600	279	52	49	460	11.022.30	20	643	679	3257	47	358	43	63,8
125	84	23	50	195	11.011.20	22	170	171	187	42	135	2,2	12,7	700	98	5	15	230	11.024.10	20	745	777	4335	150	11300	180	62,3
125	125	65	50	290	11.011.30	22	170	172	186	47	39	2,4	14,4	700	176	18	27	320	11.024.20	20	745	778	4341	82	2060	99	66,7
150	54	7	33	165	11.012.10	24	201	204	271	51	598	3,8	15,3	700	283	45	43	460	11.024.30	20	745	781	4358	47	478	56	73,4
150	109	31	50	240	11.012.20	24	201	204	271	26	75	1,9	15,9	800	80	3	10	200	11.026.10	20	847	886	5654	169	31200	265	71,0
150	158	94	50	390	11.012.30	24	201	203	266	48	29	3,5	19,3	800	156	12	21	290	11.026.20	20	847	886	5654	85	3830	133	76,0
200	76	10	36	155	11.014.10	16	252	257	442	40	578	4,9	11,4	800	282	40	38	440	11.026.30	20	847	884	5640	50	663	78	83,7
200	130	32	50	225	11.014.20	16	252	256	440	24	97	2,9	12,4	900	79	2	9	220	11.028.10	20	949	990	7110	173	39900	342	76,3
200	149	48	50	275	11.014.30	16	252	259	444	32	74	4	13,8	900	144	9	17	305	11.028.20	20	949	990	7110	87	4710	171	81,9
250	67	7	26	155	11.015.10	16	306	309	663	59	1210	11	13,6	900	247	28	29	425	11.028.30	20	949	990	7110	52	1040	103	93,4
250	144	38	50	275	11.015.20	16	306	314	673	39	134	7,3	16,6	1000	71	2	7	215	11.030.10	20	1051	1096	8749	165	43700	399	84,1
250	194	73	50	370	11.015.30	16	305	313	667	47	76	8,6	22,1	1000	120	6	13	275	11.030.20	20	1051	1098	8765	92	8890	224	93,5
300	77	7	25	170	11.016.10	16	357	365	927	70	1980	18	19,6	1000	246	25	26	425	11.030.30	20	1051	1093	8724	55	1340	133	104
300	118	18	39	220	11.016.20	16	357	370	943	21	217	5,3	19,6	1100	95	3	9	225	11.031.10	20	1155	1198	10540	144	26000	421	96,0
300	207	70	50	385	11.016.30	16	356	365	923	48	98	13	28,1	1100	170	11	16	315	11.031.20	20	1155	1194	10503	95	5650	278	103
350	54	3	16	135	11.017.10	16	391	404	1132	39	1900	13	23,1	1100	274	28	27	435	11.031.30	20	1155	1197	10531	55	1330	159	114
350	118	16	35	210	11.017.20	16	391	402	1126	22	281	6,9	24,8														
350	219	64	50	365	11.017.30	16	390	400	1113	45	129	14	34,0														

To be continued...

* OFD= Outside face diameter

Design code: EJMA 9
Temperature: Calculated at 550°C
Minimum fatigue life: 1000 cycles

Important: The movements should be considered alternatives. The total accumulated coefficient of utilisation cannot exceed 1.

Please refer to Weblink 13502 or the QR code to access online tools and online inquiry/order form and more

information about: **Primer, connection ends, inner sleeve, cover etc.**

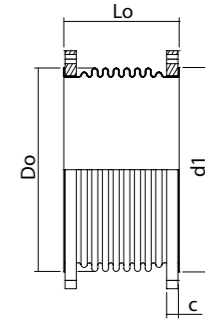


EXHAUST EXPANSION JOINTS WITH LOOSE FLANGES

US1BU / ID no. 11

PN 1 - with flange drilling according to DIN 86044

Weblink: 13502



US

DN Nominal diameter	MOVEMENT			LENGTH Built-in length Lo mm	ID no.	FLANGE		BELLOW		ADJUSTING FORCES			WEIGHT kg	DN Nominal diameter	MOVEMENT			LENGTH Built-in length Lo mm	ID no.	FLANGE		BELLOW		ADJUSTING FORCES			WEIGHT kg
	AX 2δN mm	LA 2λN mm	AN 2αN deg.			Thickness c mm	OFD * d1 mm	Outside diameter Do mm	Eff. cross-section A cm²	AX Cδ N/mm	LA Cλ N/mm	AN Cα Nm/deg.			AX 2δN mm	LA 2λN mm	AN 2αN deg.			Thickness c mm	OFD * d1 mm	Outside diameter Do mm	Eff. cross-section A cm²	AX Cδ N/mm	LA Cλ N/mm	AN Cα Nm/deg.	
1200	101	3	9	195	11.032.10	20	1255	1264	11794	163	34100	533	104	2200	80	1	4	170	11.042.10	20	2255	2260	38865	375	461300	4050	180
1200	178	11	16	285	11.032.20	20	1255	1264	11813	101	6890	329	112	2200	131	3	6	230	11.042.20	20	2255	2260	38865	225	98500	2430	192
1200	286	30	26	435	11.032.30	20	1255	1259	11765	71	1590	232	124	2200	229	10	11	350	11.042.30	20	2255	2260	38865	125	16600	1350	217
1300	75	1	6	165	11.033.10	20	1355	1366	13818	218	94300	835	108														
1300	127	5	10	225	11.033.20	20	1355	1364	13818	151	23800	580	112														
1300	227	16	19	345	11.033.30	20	1355	1364	13797	78	3770	299	125														
1400	75	1	6	165	11.034.10	20	1455	1466	15980	234	117000	1040	116														
1400	127	4	10	225	11.034.20	20	1455	1464	15980	162	29600	719	121														
1400	227	15	18	345	11.034.30	20	1455	1464	15958	84	4680	371	134														
1500	75	1	5	165	11.035.10	20	1555	1565	18287	259	148200	1320	124														
1500	127	4	9	225	11.035.20	20	1555	1564	18299	173	36100	879	129														
1500	227	14	17	345	11.035.30	20	1555	1564	18275	90	5720	453	143														
1600	75	1	5	165	11.036.10	20	1655	1664	20750	285	185300	1650	132														
1600	127	4	8	225	11.036.20	20	1655	1664	20776	184	43600	1070	137														
1600	227	13	16	345	11.036.30	20	1655	1664	20750	95	6900	547	152														
1700	76	1	5	165	11.037.10	20	1755	1763	23368	313	231100	2030	140														
1700	127	4	8	225	11.037.20	20	1755	1764	23409	195	52100	1270	145														
1700	228	13	15	345	11.037.30	20	1755	1763	23368	105	8560	677	161														
1800	76	1	4	165	11.038.10	20	1855	1864	26142	343	283300	2490	145														
1800	127	3	7	225	11.038.20	20	1855	1864	26199	206	61500	1500	153														
1800	229	12	14	345	11.038.30	20	1855	1864	26142	115	10600	830	170														
1900	74	1	4	165	11.039.10	20	1955	1962	29117	390	352600	3150	152														
1900	126	3	7	225	11.039.20	20	1955	1963	29132	225	74400	1820	161														
1900	228	11	13	345	11.039.30	20	1955	1963	29132	125	12800	1020	179														
2000	72	1	4	165	11.040.10	20	2055	2061	32204	425	418800	3800	163														
2000	121	3	6	225	11.040.20	20	2055	2061	32204	255	90900	2280	170														
2000	144	0	0	344	11.040.30	20	2055	2061	32204	142	13100	1270	189														
2100	80	1	4	170	11.041.10	20	2155	2160	35449	359	402800	3540	172														
2100	131	3	7	230	11.041.20	20	2155	2161	35466	208	82800	2040	184														
2100	231	10	12	350	11.041.30	20	2155	2162	35483	111	13500	1100	208														

* OFD= Outside face diameter

Design code: EJMA 9
Temperature: Calculated at 550°C
Minimum fatigue life: 1000 cycles

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