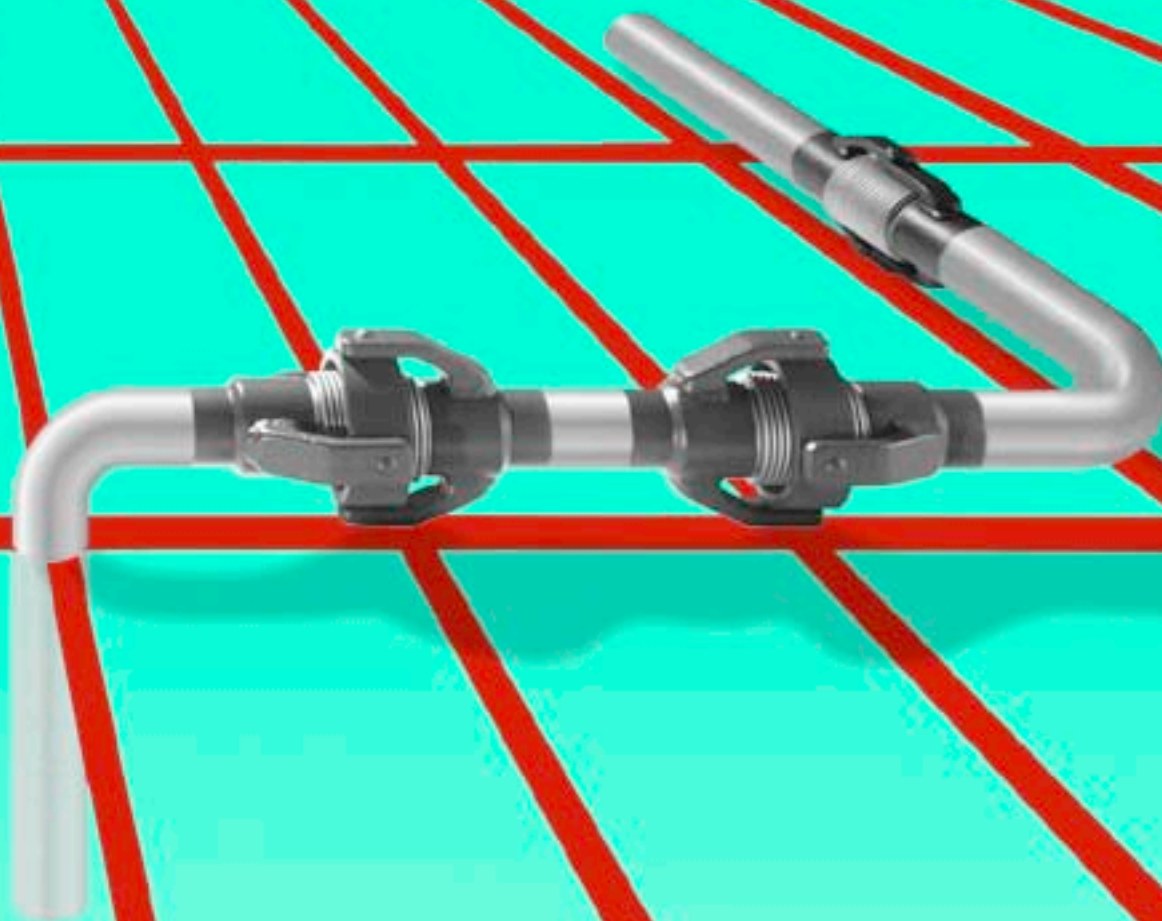




BOA Group

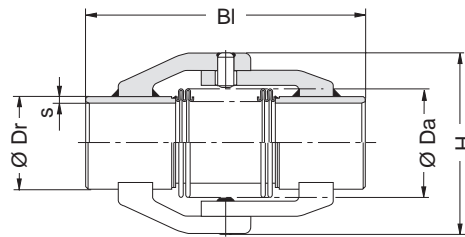
ANGULAR
EXPANSION JOINTS

TECHNICAL DATA



Angular Expansion Joints

Type 7510 previous: 307/250



Order text:
7510 – DN ... / PN ... / $\pm \Delta\alpha$... / BI. ...

DN	PN	Nominal angular movement capacity $\pm \alpha$	Overall length BI.	H	Weight	Welded end		Bellows			
						\varnothing Dr	s	Outer diameter \varnothing Da	Bending spring rate per $1^\circ \Delta$ C_α	Additional moment from rotation and pressure per 1 bar and per $1^\circ \Delta$ C_z	Hinge friction per 1 bar C_f
		[Grd]	[mm]	[mm]	[kg]	[mm]	[mm]	[mm]	[Nm]	[Nm]	[Nm]
50	16	22	230	130	3.1	60.3	3.2	74	1.5	0.08	0.2
	25	18	230	130	3.2	60.3	3.2	74	2.5	0.08	0.2
	40	10	225	130	3.1	60.3	3.2	67	2.4	0.08	0.2
65	16	18	255	145	3.7	76.1	3.2	93	3.2	0.16	0.4
	25	13	255	145	3.9	76.1	3.2	93	7.5	0.16	0.4
	40	12	255	180	4.1	76.1	3.2	93	10.8	0.16	0.5
80	16	17	255	160	4.1	88.9	3.6	105	4.4	0.21	0.5
	25	12	255	190	4.3	88.9	3.6	105	10.0	0.21	0.5
	40	11	255	190	4.5	88.9	3.6	104	14.5	0.21	0.6
100	16	15	255	220	4.9	114.3	4.0	130	8.0	0.34	0.8
	25	11	255	220	6.8	114.3	4.0	130	19.1	0.34	0.8
	40	10	275	220	7.5	114.3	4.0	130	27.0	0.34	1.0
125	16	21	505	280	28.0	139.7	4.0	158	11.9	0.80	3.0
	25	16	505	280	29.0	139.7	4.0	158	23.1	0.80	3.0
	40	14	510	280	30.0	139.7	4.0	158	32.9	0.80	3.0
150	16	18	505	310	31.0	168.3	4.5	187	18.3	1.20	4.0
	25	14	505	310	32.0	168.3	4.5	187	36.4	1.20	4.0
	40	13	510	310	32.0	168.3	4.5	187	51.5	1.20	4.0

¹⁾ Deviation $\pm 30\%$

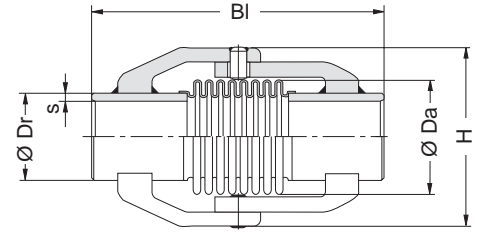
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Reduction factor ²⁾ for pressure [K_p] and movement capacity [K_Δ]		
Temperature °C	K_p	K_Δ
-10 ... 120	1.00	1.11
150	0.96	1.09
200	0.88	1.06
250	0.80	1.00
300	0.68	0.95
350	0.62	0.93
400	0.50	0.90

²⁾ Intermediate values can be linearly interpolated.

Angular Expansion Joints

Type 7510
previous: 307/250



Order text:
7510 – DN ... / PN ... / ± Δα ... / Bl. ...

DN	PN	Nominal angular movement capacity ± α	Overall length Bl.	H	Weight	Welded end		Bellows			
						Ø Dr	s	Outer diameter Ø Da	Bending spring rate per 1° Δα ¹⁾ C _α	Additional moment from rotation and pressure per 1 bar and per 1° Δα C ₂	Hinge friction per 1 bar c _r
		[Grd]	[mm]	[mm]	[kg]	[mm]	[mm]	[mm]	[Nm]	[Nm]	[Nm]
200	10	12.5	510	350	34	219.1	6.3	259	64	2.6	9
	16	12.5	510	350	34	219.1	6.3	259	64	2.6	9
	25	10.5	510	350	35	219.1	6.3	259	111	2.6	9
	40	8.0	695	385	50	219.1	6.3	259	257	2.6	7
250	10	10.5	510	405	38	273.0	6.3	313	107	4.0	13
	16	10.5	510	405	47	273.0	6.3	313	107	4.0	13
	25	9.0	555	470	77	273.0	6.3	313	188	4.0	20
	40	9.0	740	440	80	273.0	6.3	313	378	4.3	10
300	10	9.0	510	455	46	323.9	8.0	364	174	5.5	18
	16	9.0	555	520	79	323.9	8.0	364	174	5.5	27
	25	7.5	555	520	81	323.9	8.0	364	304	5.5	27
	40	7.5	760	520	114	323.9	8.0	362	613	6.0	22
350	10	8.5	510	485	54	355.6	8.0	395	218	6.6	22
	16	8.5	560	550	84	355.6	8.0	395	218	6.6	32
	25	7.0	560	550	107	355.6	8.0	395	383	6.6	32
	40	7.0	800	550	125	355.6	8.0	393	774	7.2	26
400	10	7.5	560	600	93	406.4	8.8	447	306	8.6	42
	16	7.5	560	600	103	406.4	8.8	447	306	8.6	42
	25	6.5	700	600	116	406.4	8.8	447	540	8.6	42
	40	6.5	800	600	150	406.4	8.8	447	1092	9.4	33
450	10	7.0	560	655	102	457.2	10.0	496	418	11.0	52
	16	6.0	700	655	114	457.2	10.0	498	735	11.0	35
	25	7.0	950	675	188	457.2	10.0	497	842	12.0	43
	40	6.0	960	690	240	457.2	10.0	497	1470	12.0	50
500	10	6.5	700	705	117	508.0	11.0	550	554	13.0	43
	16	5.5	700	705	143	508.0	11.0	550	971	13.0	53
	25	6.5	950	730	227	508.0	11.0	548	1112	15.0	53
	40	5.5	985	740	311	508.0	11.0	548	1972	15.0	78
600	10	5.5	700	810	162	609.6	8.0	651	901	16.0	61
	16	4.5	950	835	252	609.6	8.0	651	1577	16.0	76
	25	5.5	1030	900	388	609.6	8.0	650	1812	18.0	76
	40	5.5	1150	900	512	609.6	8.0	648	2777	20.0	111
700	10	5.8	775	921	267	711.2	8.0	755	1382	26.0	101
	16	5.8	955	973	370	711.2	8.0	755	1382	26.0	121
	25	5.9	1220	1006	733	711.2	12.0	753	2784	29.0	150
	40	4.8	1325	1056	845	711.2	12.0	753	4934	29.0	179

Reduction factor ²⁾ for pressure [K _p] and movement capacity [K _Δ]		
Temperature °C	K _p	K _Δ
-10 ... 120	1.00	1.11
150	0.96	1.09
200	0.88	1.06
250	0.80	1.00
300	0.68	0.95
350	0.62	0.93
400	0.50	0.90

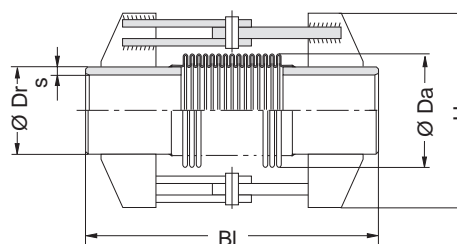
²⁾ Intermediate values can be linearly interpolated.

¹⁾ Deviation ± 30 %

Reserve the right for technical changes

Angular Expansion Joints

Type 7510 previous: 307/250



Order text:
7510 – DN ... / PN ... / ± Δα ... / Bl. ...

DN	PN	Nominal angular movement capacity ± α	Overall length Bl.	H	Weight	Welded end		Bellows			
						Ø Dr	s	Outer diameter Ø Da	Bending spring rate per 1° Δ	Additional moment from rotation and pressure per 1 bar and per 1° Δ	Hinge friction ¹⁾ per 1 bar
		[Grd]	[mm]	[mm]	[kg]	[mm]	[mm]	[mm]	[Nm]	[Nm]	[Nm]
800	6	3.6	905	1081	315	812.8	8	912	1756	21	143
	6	7.2	1080	1081	340	812.8	8	905	914	50	140
	6	10.2	1125	1081	345	812.8	8	891	699	57	139
	10	2.8	1125	1082	415	812.8	8	898	2579	21	168
	10	6.2	1300	1082	440	812.8	8	898	1106	50	168
	10	9.8	1360	1082	470	812.8	8	890	1085	59	160
	16	2.2	1250	1116	635	812.8	8	911	6975	22	228
	16	4.6	1430	1116	670	812.8	8	904	3585	52	226
	16	7.1	1440	1116	680	812.8	8	904	1864	53	225
	16	9.7	1490	1116	695	812.8	8	889	1509	60	220
	25	3.5	1360	1150	915	812.8	15	908	5752	23	253
	25	7.1	1555	1150	980	812.8	15	902	2891	55	251
	25	9.5	1615	1150	1010	812.8	15	887	2490	64	245
	40	3.5	1495	1210	1325	812.8	15	906	9942	26	305
	40	6.9	1710	1210	1435	812.8	15	899	5139	55	277
	900	6	3.2	1005	1181	390	914.4	10	1015	2410	27
6		6.5	1180	1181	410	914.4	10	1008	1250	63	213
6		9.1	1225	1181	420	914.4	10	994	952	72	210
10		2.4	1125	1182	545	914.4	10	999	3735	26	282
10		5.6	1300	1182	570	914.4	10	999	1601	63	282
10		9.0	1360	1182	600	914.4	10	993	1475	74	278
16		2.0	1190	1225	825	914.4	10	1014	9607	28	357
16		4.3	1370	1225	870	914.4	10	1007	4954	65	354
16		6.4	1380	1225	880	914.4	10	1007	2545	67	354
16		8.8	1430	1225	900	914.4	10	992	2042	76	346
25		3.1	1260	1228	1110	914.4	15	1010	8048	29	388
25		6.4	1455	1228	1190	914.4	15	1005	3935	70	386
25		8.7	1515	1228	1220	914.4	15	990	3329	80	378
40		3.1	1495	1336	1730	914.4	15	1010	13419	32	488
40		6.3	1710	1336	2060	914.4	15	1003	6958	76	484
1000		6	2.9	1225	1300	548	1016.0	10	1120	3022	27
	6	6.2	1365	1300	574	1016.0	10	1115	1491	63	261
	6	8.3	1405	1300	585	1016.0	10	1100	1052	72	258
	10	2.4	1360	1306	740	1016.0	10	1092	5055	35	342
	10	5.2	1500	1306	765	1016.0	10	1097	1922	71	344
	10	8.2	1515	1306	795	1016.0	10	1099	1605	75	342
	16	1.6	1450	1370	1135	1016.0	10	1114	14086	28	395
	16	3.9	1595	1370	1175	1016.0	10	1114	6103	66	395
	16	5.7	1600	1370	1190	1016.0	10	1108	3937	66	385
	16	8.1	1650	1370	1215	1016.0	10	1098	2318	78	384
	25	2.4	1560	1415	1580	1016.0	15	1107	12311	31	472
	25	5.7	1720	1415	1660	1016.0	15	1107	5351	71	472
	25	7.7	1760	1415	1675	1016.0	15	1095	3061	80	466
	40	2.7	1695	1538	2520	1016.0	20	1111	17834	34	597
	40	5.9	1875	1538	2670	1016.0	20	1109	8003	80	596

¹⁾ Deviation ± 30 %

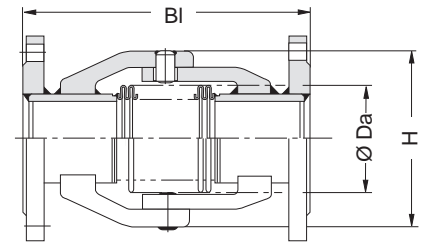
Reserve the right for technical changes

²⁾ Intermediate values can be linearly interpolated.

Reduction factor ²⁾ for pressure [K _p] and movement capacity [K _A]		
Temperature °C	K _p	K _A
-10 ... 20	1.00	1.00
50	0.92	0.97
100	0.87	0.94
150	0.83	0.92
200	0.79	0.90
250	0.74	0.88
300	0.67	0.86
350	0.60	0.85
400	0.53	0.84

Angular Expansion Joints

Type 7520
previous: 307/251



Order text:
7520 – DN ... / PN ... / $\pm \Delta\alpha$... / BI. ...

Reduction factor ²⁾ for pressure [K_p] and movement capacity [K_Δ]		
Temperature °C	K_p –	K_Δ –
–10 ... 120	1.00	1.11
150	0.96	1.09
200	0.88	1.06
250	0.80	1.00
300	0.68	0.95
350	0.62	0.93
400	0.50	0.90

²⁾ Intermediate values can be linearly interpolated.

DN	PN	Nominal angular movement capacity $\pm \alpha$	Overall length BI.	H	Weight	Connection dimensions (flange)	Bellows			
							Outer diameter $\varnothing Da$	Bending spring rate per $1^\circ \Delta\alpha$ ¹⁾ C_α	Additional moment from rotation and pressure per 1 bar and per $1^\circ \Delta\alpha$ C_2	Hinge friction per 1 bar C_1
		[Grd]	[mm]	[mm]	[kg]		[mm]	[Nm]	[Nm]	[Nm]
50	16	22	240	130	7.5	DIN 2501	74	1.5	0.08	0.2
	25	18	240	130	8.4		74	2.5	0.08	0.2
	40	10	280	130	8.3		67	2.4	0.08	0.2
65	16	18	265	145	9.1		93	3.2	0.16	0.4
	25	13	265	145	10.0		93	7.5	0.16	0.4
	40	12	265	180	11.0		93	10.8	0.16	0.5
80	16	17	265	160	11.0		105	4.4	0.21	0.5
	25	12	265	190	12.0		105	10.0	0.21	0.5
	40	11	265	190	13.0		104	14.5	0.21	0.6
100	16	15	265	220	12.0		130	8.0	0.34	0.8
	25	11	265	220	17.0		130	19.1	0.34	0.8
	40	10	285	220	18.0		130	27.0	0.34	1.0
125	16	21	520	280	38.0	158	11.9	0.80	3.0	
	25	16	520	280	43.0	158	23.1	0.80	3.0	
	40	14	525	280	44.0	158	32.9	0.80	3.0	
150	16	18	520	310	43.0	187	18.3	1.20	4.0	
	25	14	520	310	50.0	187	36.4	1.20	4.0	
	40	13	525	310	52.0	187	51.5	1.20	4.0	

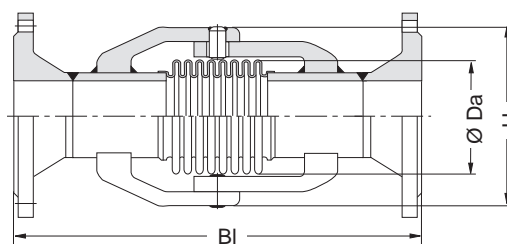
¹⁾ Deviation $\pm 30\%$

Reserve the right for technical changes

Flange material:
Standard design permissible up to 300 °C.
For higher temperature ranges, please make arrangements during ordering.

Angular Expansion Joints

Type 7520 previous: 307/251



Order text:
7520 – DN ... / PN ... / ± Δα ... / BI. ...

DN	PN	Nominal angular movement capacity ± α	Overall length BI	H	Weight	Connection dimensions (flange)	Bellows			
							Outer diameter Ø Da	Bending spring rate per 1° Δ	Additional moment from rotation and pressure per 1 bar and per 1° Δ	Hinge friction per 1 bar
		[Grd]	[mm]	[mm]	[kg]		[mm]	[Nm]	[Nm]	[Nm]
200	10	12.5	640	350	56	DIN 2501	259	64	2.6	9
	16	12.5	640	350	56		259	64	2.6	9
	25	10.5	675	350	69		259	111	2.6	9
	40	8.0	875	385	93		259	257	2.6	7
250	10	10.5	650	405	67		313	107	4.0	13
	16	10.5	655	405	78		313	107	4.0	13
	25	9.0	735	470	126		313	188	4.0	20
	40	9.0	955	440	150		313	378	4.3	10
300	10	9.0	650	455	81		364	174	5.5	18
	16	9.0	715	520	123		364	174	5.5	27
	25	7.5	745	520	143		364	304	5.5	27
	40	7.5	995	520	213		362	613	6.0	22
350	10	8.5	650	485	101		395	218	6.6	22
	16	8.5	730	550	146		395	218	6.6	32
	25	7.0	765	550	201		395	383	6.6	32
	40	7.0	1055	550	261		393	774	7.2	26
400	10	7.5	710	600	150	447	306	8.6	42	
	16	7.5	735	600	182	447	306	8.6	42	
	25	6.5	925	600	239	447	540	8.6	42	
	40	6.5	1075	600	343	447	1092	9.4	33	
500	10	6.5	855	705	193	550	554	13.0	43	
	16	5.5	855	705	265	550	971	13.0	53	
	25	6.5	1205	730	406	548	1112	15.0	53	
	40	5.5	1270	740	504	548	1972	15.0	78	
600	10	5.5	865	810	251	651	901	16.0	61	
	16	4.5	1145	835	403	651	1577	16.0	76	
	25	5.5	1285	900	596	650	1812	18.0	76	

Reduction factor ²⁾ for pressure [K _p] and movement capacity [K _A]		
Temperature °C	K _p –	K _A –
-10 ... 120	1.00	1.11
150	0.96	1.09
200	0.88	1.06
250	0.80	1.00
300	0.68	0.95
350	0.62	0.93
400	0.50	0.90

¹⁾ Deviation ± 30 %

Reserve the right for technical changes

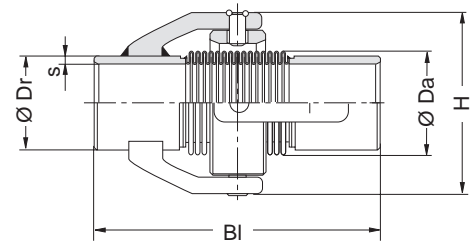
²⁾ Intermediate values can be linearly interpolated.

Flange material:
Standard design permissible up to 300 °C.
For higher temperature ranges, please make arrangements during ordering.

Angular Expansion Joints

Type 7610

previous: 307/260



Order text:
7610 – DN ... / PN ... / ± Δα ... / Bl. ...

DN	PN	Nominal angular movement capacity ± α	Overall length Bl.	H	Weight	Welded end		Bellows			
						Ø Dr	s	Outer diameter Ø Da	Bending spring rate C _α per 1° Δα ¹⁾	Additional moment from rotation and pressure per 1 bar and per 1° Δα	Hinge friction, per 1 bar
		[Grd]	[mm]	[mm]	[kg]	[mm]	[mm]	[mm]	[Nm]	[Nm]	[Nm]
50	16	22	255	155	6.8	60.3	3.2	74	1.5	0.08	0.2
	25	18	255	155	6.9	60.3	3.2	74	2.5	0.08	0.2
	40	10	255	155	6.8	60.3	3.2	67	2.4	0.08	0.2
65	16	18	255	170	7.4	76.1	3.2	93	3.2	0.16	0.4
	25	13	255	170	7.5	76.1	3.2	93	7.5	0.16	0.4
	40	12	255	180	7.8	76.1	3.2	93	10.8	0.16	0.5
80	16	17	255	185	8.3	88.9	3.6	105	4.4	0.21	0.5
	25	12	255	195	8.6	88.9	3.6	105	10.0	0.21	0.5
	40	11	255	195	8.8	88.9	3.6	104	14.5	0.21	0.6
100	16	15	255	220	9.4	114.3	4.0	130	8.0	0.34	0.8
	25	11	255	220	9.7	114.3	4.0	130	19.1	0.34	0.8
	40	10	275	220	16.0	114.3	4.0	130	27.0	0.34	1.0
125	16	21	505	335	35.0	139.7	4.0	158	11.9	0.80	2.3
	25	16	505	335	35.0	139.7	4.0	158	23.1	0.80	2.3
	40	14	510	335	36.0	139.7	4.0	158	32.9	0.80	2.3
150	16	18	505	370	40.0	168.3	4.5	187	18.3	1.20	3.3
	25	14	505	370	40.0	168.3	4.5	187	36.4	1.20	3.3
	40	13	510	370	49.0	168.3	4.5	187	51.5	1.20	3.3

Reduction factor ²⁾ for pressure [K _p] and movement capacity [K _Δ]		
Temperature °C	K _p –	K _Δ –
–10 ... 120	1.00	1.11
150	0.96	1.09
200	0.88	1.06
250	0.80	1.00
300	0.68	0.95
350	0.62	0.93
400	0.50	0.90

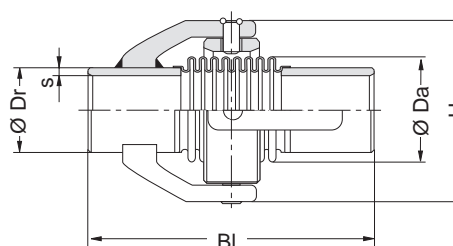
²⁾ Intermediate values can be linearly interpolated.

¹⁾ Deviation ± 30 %

Reserve the right for technical changes

Angular Expansion Joints

Type 7610 previous: 307/260



Order text:
7610 – DN ... / PN ... / ± Δα ... / BI. ...

DN	PN	Nominal angular movement capacity ± α	Overall length BI	H	Weight	Welded end		Bellows			
						Ø Dr	s	Outer diameter Ø Da	Bending spring rate per 1° Δ	Additional moment from rotation and pressure per 1 bar and per 1° Δ	Hinge friction ¹⁾ per 1 bar
		[Grd]	[mm]	[mm]	[kg]	[mm]	[mm]	[mm]	[Nm]	[Nm]	[Nm]
200	10	11.0	510	365	50	219.1	6.3	259	64	2.6	9
	16	11.0	510	365	52	219.1	6.3	259	64	2.6	9
	25	8.0	510	365	56	219.1	6.3	259	111	2.6	9
	40	8.0	715	480	88	219.1	6.3	259	257	2.6	7
250	10	10.5	510	420	59	273.0	6.3	313	107	4.0	13
	16	8.0	510	420	77	273.0	6.3	313	107	4.0	13
	25	9.0	555	460	124	273.0	6.3	313	188	4.0	20
	40	9.0	780	575	175	273.0	6.3	312	378	4.3	16
300	10	7.5	510	470	74	323.9	8.0	364	174	5.5	18
	16	9.0	555	510	129	323.9	8.0	364	174	5.5	27
	25	7.0	555	510	149	323.9	8.0	364	304	5.5	27
	40	7.5	860	640	240	323.9	8.0	362	613	6.0	22
350	10	8.5	510	500	126	355.6	8.0	395	218	6.6	22
	16	7.5	560	540	150	355.6	8.0	395	218	6.6	32
	25	7.0	560	540	179	355.6	8.0	395	383	6.6	32
	40	7.0	900	665	268	355.6	8.0	393	774	7.2	26
400	10	7.5	560	595	151	406.4	8.8	447	306	8.6	42
	16	7.5	560	595	181	406.4	8.8	447	306	8.6	42
	25	6.5	720	700	242	406.4	8.8	447	540	8.6	35
	40	6.5	920	755	377	406.4	8.8	445	1092	9.4	40
450	10	7.0	560	645	171	457.2	10.0	498	418	11.0	52
	16	6.0	720	750	207	457.2	10.0	498	735	11.0	44
	25	7.0	950	760	349	457.2	10.0	497	842	12.0	52
	40	6.0	1060	845	540	457.2	10.0	497	1470	12.0	55
500	10	6.5	720	805	250	508.0	11.0	550	554	13.0	54
	16	5.5	720	805	304	508.0	11.0	550	971	13.0	54
	25	6.5	950	815	442	508.0	11.0	548	1112	15.0	63
	40	5.5	1085	905	675	508.0	11.0	548	1972	15.0	78
600	10	5.5	720	910	321	609.6	8.0	651	901	16.0	76
	16	4.5	950	920	507	609.6	8.0	651	1577	16.0	91
	25	5.5	1120	1020	736	609.6	8.0	650	1812	18.0	135
	40	5.5	1230	1060	1100	609.6	8.0	648	2777	20.0	135

¹⁾ Deviation ± 30 %

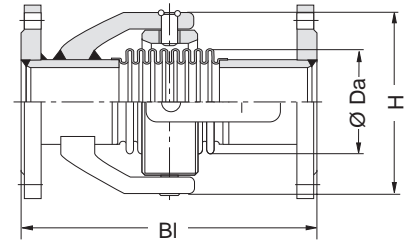
Reserve the right for technical changes

Reduction factor ²⁾ for pressure [K _p] and movement capacity [K _A]		
Temperature °C	K _p –	K _A –
-10 ... 120	1.00	1.11
150	0.96	1.09
200	0.88	1.06
250	0.80	1.00
300	0.68	0.95
350	0.62	0.93
400	0.50	0.90

²⁾ Intermediate values can be linearly interpolated.

Angular Expansion Joints

Type 7620
previous: 307/261



Order text:
7620 – DN ... / PN ... / ± Δα ... / BI. ...

Reduction factor ²⁾ for pressure [K _p] and movement capacity [K _Δ]		
Temperature °C	K _p –	K _Δ –
–10 ... 120	1.00	1.11
150	0.96	1.09
200	0.88	1.06
250	0.80	1.00
300	0.68	0.95
350	0.62	0.93
400	0.50	0.90

²⁾ Intermediate values can be linearly interpolated.

DN	PN	Nominal angular movement capacity ± α	Overall length BI	H	Weight	Connection dimensions (flange)	Bellows			
							Outer diameter Ø Da	Bending spring rate C _α per 1° α ¹⁾	Additional moment from rotation and pressure per 1 bar and per 1° α	Hinge friction per 1 bar
		[Grd]	[mm]	[mm]	[kg]		[mm]	[Nm]	[Nm]	[Nm]
50	16	22	265	155	11	DIN 2501	74	1.5	0.08	0.2
	25	18	265	155	11		74	2.5	0.08	0.2
	40	10	280	155	12		67	2.4	0.08	0.2
65	16	18	265	170	13		93	3.2	0.16	0.4
	25	13	265	170	14		93	7.5	0.16	0.4
	40	12	265	180	14		93	10.8	0.16	0.5
80	16	17	265	185	15		105	4.4	0.21	0.5
	25	12	265	195	17		105	10.0	0.21	0.5
	40	11	265	195	17		104	14.5	0.21	0.6
100	16	15	265	220	17		130	8.0	0.34	0.8
	25	11	265	220	20		130	19.1	0.34	0.8
	40	10	285	220	26		130	27.0	0.34	1.0
125	16	21	520	335	45	158	11.9	0.80	2.3	
	25	16	520	335	49	158	23.1	0.80	2.3	
	40	14	525	335	50	158	32.9	0.80	2.3	
150	16	18	520	370	52	187	18.3	1.20	3.3	
	25	14	520	370	58	187	36.4	1.20	3.3	
	40	13	525	370	67	187	51.5	1.20	3.3	

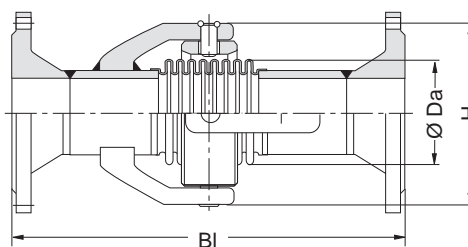
¹⁾ Deviation ± 30 %

Reserve the right for technical changes

Flange material:
Standard design permissible up to 300 °C.
For higher temperature ranges, please make arrangements during ordering.

Angular Expansion Joints

Type 7620 previous: 307/261



Order text:
7620 – DN ... / PN ... / ± Δα ... / BI. ...

DN	PN	Nominal angular movement capacity ± α	Overall length BI.	H	Weight	Connection dimensions (flange)	Bellows			
							Outer diameter Ø Da	Bending spring rate per 1° Δ	Additional moment from rotation and pressure per 1 bar and per 1° Δ	Hinge friction ¹⁾ per 1 bar
		[Grd]	[mm]	[mm]	[kg]		[mm]	[Nm]	[Nm]	[Nm]
200	10	11.0	640	365	73	DIN 2501	259	64	2.6	9
	16	11.0	640	365	74		259	64	2.6	9
	25	8.0	675	365	90		259	111	2.6	9
	40	8.0	895	480	131		258	257	2.6	7
250	10	10.5	650	420	88		313	107	4.0	13
	16	8.0	655	420	108		313	107	4.0	13
	25	9.0	735	460	173		313	188	4.0	20
	40	9.0	995	575	245		312	378	4.3	16
300	10	7.5	650	470	109		364	174	5.5	18
	16	9.0	715	510	173		364	174	5.5	27
	25	7.0	745	510	211		364	304	5.5	27
	40	7.5	1095	640	340		362	613	6.0	22
350	10	8.5	650	500	173		395	218	6.6	22
	16	7.5	730	540	212		395	218	6.6	32
	25	7.0	765	540	273		395	383	6.6	32
	40	7.0	1155	665	404		393	774	7.2	26
400	10	7.5	710	595	208	447	306	8.6	42	
	16	7.5	735	595	260	447	306	8.6	42	
	25	6.5	945	700	365	447	540	8.6	35	
	40	6.5	1195	755	570	445	1092	9.4	40	
500	10	6.5	875	805	326	550	554	13.0	54	
	16	5.5	905	805	426	550	971	13.0	54	
	25	6.5	1205	815	621	548	1112	15.0	63	
	40	5.5	1370	905	909	548	1972	15.0	78	
600	10	5.5	885	910	410	651	901	16.0	76	
	16	4.5	1145	920	658	651	1577	16.0	91	
	25	5.5	1375	1020	944	650	1812	18.0	135	

¹⁾ Deviation ± 30 %

Reserve the right for technical changes

Flange material:
Standard design permissible up to 300 °C.
For higher temperature ranges, please make arrangements during ordering.

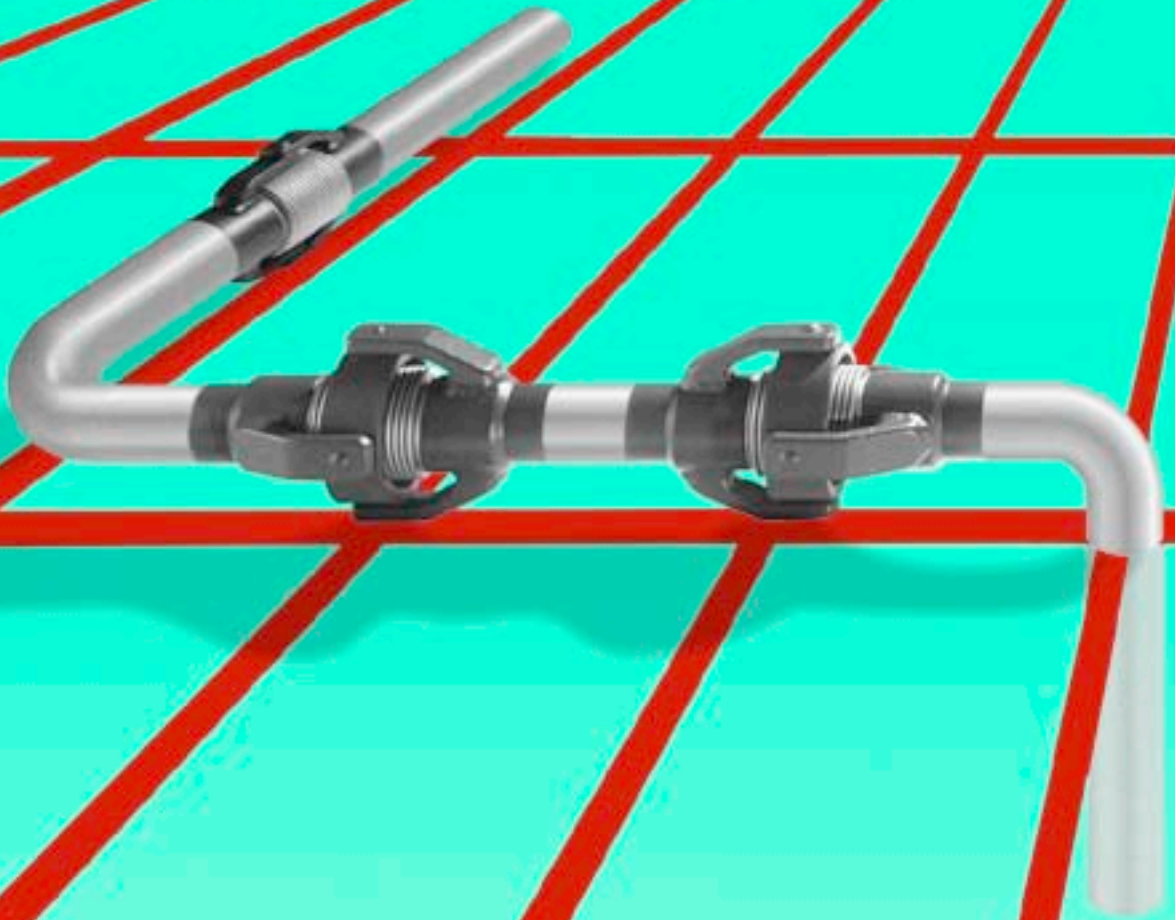
Reduction factor ²⁾ for pressure [K _p] and movement capacity [K _A]		
Temperature °C	K _p –	K _A –
-10 ... 120	1.00	1.11
150	0.96	1.09
200	0.88	1.06
250	0.80	1.00
300	0.68	0.95
350	0.62	0.93
400	0.50	0.90

²⁾ Intermediate values can be linearly interpolated.









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