
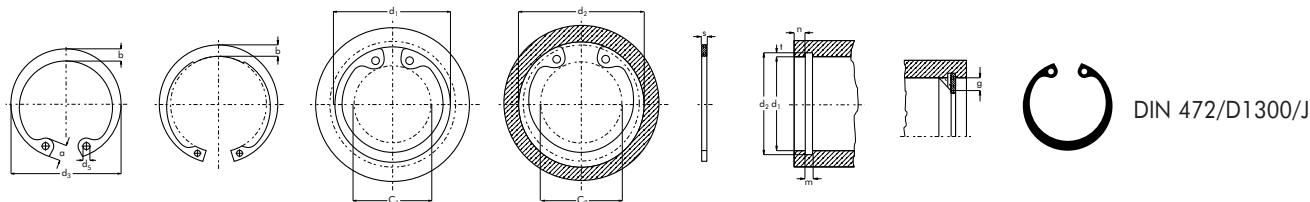

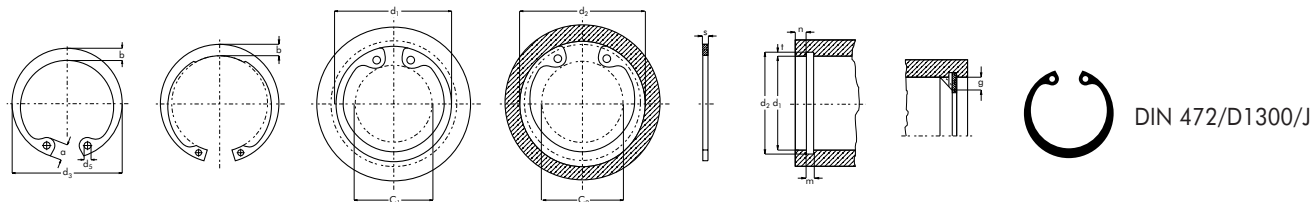



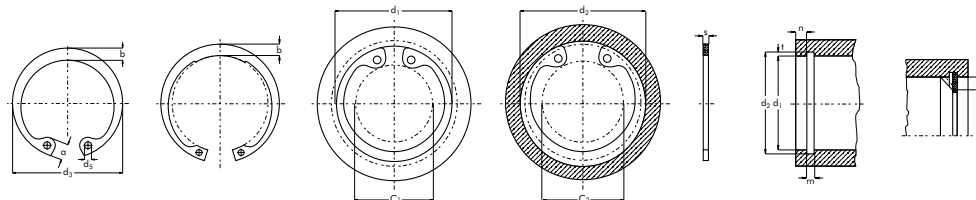
d <sub>1</sub>	DIN 472 D1300 J											Groove				D A T A						
		s	Tolerance	d <sub>3</sub>	Tolerance	a max.	b =	d <sub>5</sub> min.	C <sub>1</sub>	C <sub>2</sub>	Weight (kg/1000)	d <sub>2</sub>	Tolerance	m min.	t	n	FN (kN)	FR (kN)	g	FRg (kN)	AN (mm <sup>2</sup> )	K (kN*mm) <sup>B</sup>
8	J8	0.80	-0.05	8.7	+0.36 -0.10	2.4	1.1	1.0	3.0	3.6	0.10	8.4	+0.09	0.90	0.20	0.6	0.86	2.0	0.5	1.5	5.1	9.25
9	J9	0.80		9.8		2.5	1.3	1.0	3.7	4.4	0.13	9.4		0.90	0.20	0.6	0.96	2.0	0.5	1.5	5.7	8.40
10	J10	1.00		10.8		3.2	1.4	1.2	3.3	4.0	0.26	10.4		1.10	0.20	0.6	1.08	4.0	0.5	2.2	6.4	19.60
11	J11	1.00		11.8		3.3	1.5	1.2	4.1	4.8	0.31	11.4		1.10	0.20	0.6	1.17	4.0	0.5	2.3	7.0	21.00
12	J12	1.00		13.0		3.4	1.7	1.5	4.9	5.7	0.37	12.5		1.10	0.25	0.8	1.60	4.0	0.5	2.3	9.6	20.20
13	J13	1.00	-0.06	14.1	+0.42 -0.13	3.6	1.8	1.5	5.4	6.4	0.42	13.6	+0.11	1.10	0.30	0.9	2.10	4.2	0.5	2.3	12.5	20.30
14	J14	1.00		15.1		3.7	1.8	1.7	6.2	7.2	0.52	14.6		1.10	0.30	0.9	2.10	4.5	0.5	2.3	13.4	19.70
15	J15	1.00		16.2		3.7	2.0	1.7	7.2	8.3	0.56	15.7		1.10	0.35	1.1	2.80	5.0	0.5	2.3	16.8	19.00
16	J16	1.00		17.3		3.8	2.0	1.7	8.0	9.2	0.60	16.8		1.10	0.40	1.2	3.40	5.5	1.0	2.6	20.6	18.40
17	J17	1.00		18.3		3.9	2.1	1.7	8.8	10.0	0.65	17.8		1.10	0.40	1.2	3.60	6.0	1.0	2.5	21.8	18.10
18	J18	1.00		19.5		4.1	2.2	2.0	9.4	10.8	0.74	19.0		1.10	0.50	1.5	4.80	6.5	1.0	2.6	29.0	18.20
19	J19	1.00		20.5		4.1	2.2	2.0	10.4	11.8	0.83	20.0		1.10	0.50	1.5	5.10	6.8	1.0	2.6	30.6	17.20
20	J20	1.00	21.5	4.1	2.3	2.0	11.2	12.6	0.90	21.0	1.10	0.50	1.5	5.40	7.2	1.0	2.6	32.2	16.90			
21	J21	1.00	22.5	4.2	2.4	2.0	12.2	13.6	1.00	22.0	1.10	0.50	1.5	5.70	7.6	1.0	2.6	33.8	17.20			
22	J22	1.00	23.5	4.2	2.5	2.0	13.2	14.6	1.10	23.0	1.10	0.50	1.5	5.90	8.0	1.0	2.7	35.3	17.60			
23	J23	1.20	-0.06	24.6	+0.42 -0.21	4.2	2.5	2.0	14.2	15.7	1.34	24.1	+0.21	1.30	0.55	1.7	6.80	8.0	1.0	4.6	40.7	28.80
24	J24	1.20		25.9		4.3	2.6	2.0	14.8	16.4	1.42	25.2		1.30	0.60	1.8	7.70	13.9	1.0	4.6	46.3	28.40
25	J25	1.20		26.9		4.5	2.7	2.0	15.5	17.2	1.50	26.2		1.30	0.60	1.8	8.00	14.6	1.0	4.7	48.2	29.00
26	J26	1.20		27.9		4.7	2.8	2.0	16.1	17.8	1.60	27.2		1.30	0.60	1.8	8.40	13.8	1.0	4.6	50.1	27.80
27	J27	1.20		29.1		4.7	2.9	2.0	17.1	19.0	1.75	28.4		1.30	0.70	2.1	10.10	13.3	1.0	4.5	60.9	26.60
28	J28	1.20		30.1		4.8	2.9	2.0	17.9	19.8	1.80	29.4		1.30	0.70	2.1	10.50	13.3	1.0	4.5	63.1	26.30
29	J29	1.20		31.1		4.8	3.0	2.0	18.9	20.8	1.88	30.4		1.30	0.70	2.1	10.90	13.6	1.0	4.6	65.3	26.80
30	J30	1.20	32.1	4.8	3.0	2.0	19.9	21.8	2.06	31.4	1.30	0.70	2.1	11.30	13.7	1.0	4.6	67.5	26.60			
31	J31	1.20	33.4	5.2	3.1	2.5	20.0	22.3	2.10	32.7	1.30	0.85	2.6	14.10	13.8	1.0	4.7	84.8	26.80			
32	J32	1.20	34.4	5.4	3.2	2.5	20.6	22.9	2.21	33.7	1.30	0.85	2.6	14.60	13.8	1.0	4.7	87.9	26.60			
33	J33	1.20	-0.06	35.5	+0.50 -0.25	5.4	3.3	2.5	21.6	23.9	2.40	34.7	+0.25	1.30	0.85	2.6	15.00	14.3	1.0	4.9	90.3	27.00
34	J34	1.50		36.5		5.4	3.3	2.5	22.6	24.9	3.20	35.7		1.60	0.85	2.6	15.40	26.2	1.5	6.3	92.6	50.00
35	J35	1.50		37.8		5.4	3.4	2.5	23.6	26.2	3.54	37.0		1.60	1.00	3.0	18.80	26.9	1.5	6.4	113.0	50.50
36	J36	1.50		38.8		5.4	3.5	2.5	24.6	27.2	3.70	38.0		1.60	1.00	3.0	19.40	26.4	1.5	6.4	116.0	50.20
37	J37	1.50		39.8		5.5	3.6	2.5	25.4	28.0	3.74	39.0		1.60	1.00	3.0	19.80	27.1	1.5	6.5	119.0	51.00
38	J38	1.50		40.8		5.5	3.7	2.5	26.4	29.0	3.90	40.0		1.60	1.00	3.0	22.50	28.2	1.5	6.7	123.0	51.70
39	J39	1.50		42.0		5.6	3.8	2.5	27.3	29.8	4.00	41.0		1.60	1.00	3.0	26.00	28.8	1.5	6.9	126.0	52.40
40	J40	1.75	43.5	5.8	3.9	2.5	27.8	30.9	4.70	42.5	1.85	1.25	3.8	27.00	44.6	2.0	8.3	162.0	80.10			
41	J41	1.75	44.5	5.9	4.0	2.5	28.6	31.7	5.10	43.5	1.85	1.25	3.8	27.60	45.0	2.0	8.3	166.0	81.20			
42	J42	1.75	45.5	5.9	4.1	2.5	29.6	32.7	5.40	44.5	1.85	1.25	3.8	28.40	44.7	2.0	8.4	170.0	80.90			




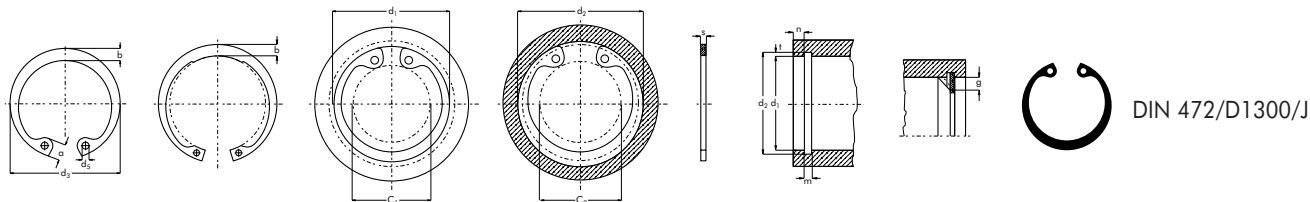
d <sub>1</sub>	DIN 472 D1300 J											Groove				D A T A						
		s	Tolerance	d <sub>3</sub>	Tolerance	a max.	b =	d <sub>5</sub> min.	C <sub>1</sub>	C <sub>2</sub>	Weight (kg/1000)	d <sub>2</sub>	Tolerance	m min.	t	n	FN (kN)	FR (kN)	g	FRg (kN)	AN (mm <sup>2</sup> )	K (kN•mm) <sup>B</sup>
43	J43	1.75	-0.06	46.5	+0.90 -0.39	5.9	4.2	2.5	30.6	33.7	5.60	45.5	+0.25	1.85	1.25	3.8	28.80	44.5	2.0	8.4	173	80.5
44	J44	1.75		47.5		6.0	4.2	2.5	31.4	34.5	5.80	46.5		1.85	1.25	3.8	29.50	43.3	2.0	8.3	177	78.6
45	J45	1.75		48.5		6.2	4.3	2.5	32.0	35.1	6.00	47.5		1.85	1.25	3.8	30.20	43.1	2.0	8.2	181	78.1
46	J46	1.75		49.5		6.3	4.4	2.5	32.8	35.9	6.05	48.5		1.85	1.25	3.8	30.80	42.9	2.0	8.2	185	77.8
47	J47	1.75		50.5		6.4	4.4	2.5	33.5	36.7	6.10	49.5		1.85	1.25	3.8	31.40	43.5	2.0	8.3	189	78.9
48	J48	1.75	-0.07	51.5	+1.10 -0.46	6.4	4.5	2.5	34.5	37.7	6.70	50.5	+0.30	1.85	1.25	3.8	32.00	43.2	2.0	8.4	193	78.5
50	J50	2.00		54.2		6.5	4.6	2.5	36.3	40.0	7.30	53.0		2.15	1.50	4.5	40.50	60.8	2.0	12.1	243	111.0
51	J51	2.00		55.2		6.5	4.7	2.5	37.3	41.0	7.75	54.0		2.15	1.50	4.5	41.20	60.2	2.0	12.0	247	109.0
52	J52	2.00		56.2		6.7	4.7	2.5	37.9	41.6	8.20	55.0		2.15	1.50	4.5	42.00	60.2	2.0	12.0	252	108.0
53	J53	2.00		57.2		6.7	4.9	2.5	39.0	42.6	8.22	56.0		2.15	1.50	4.5	42.90	60.7	2.0	12.1	257	110.0
54	J54	2.00	-0.07	58.2	+1.30 -0.54	6.7	5.0	2.5	40.0	43.6	8.25	57.0	+0.35	2.15	1.50	4.5	43.60	60.4	2.0	12.3	262	110.0
55	J55	2.00		59.2		6.8	5.0	2.5	40.7	44.4	8.30	58.0		2.15	1.50	4.5	44.40	60.3	2.0	12.5	266	111.0
56	J56	2.00		60.2		6.8	5.1	2.5	41.7	45.4	8.80	59.0		2.15	1.50	4.5	45.20	60.3	2.0	12.6	271	111.0
57	J57	2.00		61.2		6.8	5.1	2.5	42.7	46.4	9.40	60.0		2.15	1.50	4.5	46.00	60.8	2.0	12.7	276	112.0
58	J58	2.00		62.2		6.9	5.2	2.5	43.5	47.2	10.50	61.0		2.15	1.50	4.5	46.70	60.8	2.0	12.7	280	112.0
60	J60	2.00	-0.07	64.2	+1.30 -0.54	7.3	5.4	2.5	44.7	48.4	11.10	63.0	+0.35	2.15	1.50	4.5	48.30	61.0	2.0	13.0	290	113.0
62	J62	2.00		66.2		7.3	5.5	2.5	46.7	50.4	11.20	65.0		2.15	1.50	4.5	49.80	60.9	2.0	13.0	299	112.0
63	J63	2.00		67.2		7.3	5.6	2.5	47.7	51.4	12.40	66.0		2.15	1.50	4.5	50.60	60.8	2.0	13.0	304	112.0
64	J64	2.00		68.2		7.4	5.7	2.5	48.7	52.4	12.45	67.0		2.15	1.50	4.5	51.40	60.6	2.0	13.0	308	112.0
65	J65	2.50		69.2		7.6	5.8	3.0	49.0	52.8	14.30	68.0		2.65	1.50	4.5	51.80	121.0	2.5	20.8	313	220.0
67	J67	2.50	-0.08	71.5	+1.30 -0.54	7.7	6.0	3.0	50.8	54.6	15.30	70.0	+0.35	2.65	1.50	4.5	53.80	121.0	2.5	21.1	323	222.0
68	J68	2.50		72.5		7.8	6.1	3.0	51.6	55.4	16.00	71.0		2.65	1.50	4.5	56.20	119.0	2.5	21.0	337	218.0
70	J70	2.50		74.5		7.8	6.2	3.0	53.6	57.4	16.50	73.0		2.65	1.50	4.5	56.20	119.0	2.5	21.0	337	218.0
72	J72	2.50		76.5		7.8	6.4	3.0	55.6	59.4	18.10	75.0		2.65	1.50	4.5	58.00	119.0	2.5	21.0	346	217.0
75	J75	2.50		79.5		7.8	6.6	3.0	58.6	62.4	18.80	78.0		2.65	1.50	4.5	60.00	118.0	2.5	21.0	360	215.0
77	J77	2.50	-0.08	82.5	+1.30 -0.54	8.5	6.8	3.0	59.2	63.0	20.40	80.0	+0.35	2.65	1.50	4.5	61.60	121.0	2.5	21.5	370	220.0
78	J77	2.50		82.5		8.5	6.8	3.0	60.1	64.0	20.40	81.0		2.65	1.50	4.5	62.30	122.0	2.5	21.8	374	221.0
80	J80	2.50		85.5		8.5	7.0	3.0	62.1	66.5	22.00	83.5		2.65	1.75	5.3	74.60	120.0	2.5	21.8	448	219.0
81	J81	2.50		86.5		8.5	7.0	3.0	62.2		23.00	84.5		2.65	1.75	5.3	75.80	119.0	2.5	21.6	455	216.0
82	J82	2.50		87.5		8.5	7.0	3.0	64.1	68.5	24.00	85.5		2.65	1.75	5.3	76.60	119.0	2.5	21.4	460	214.0
83	J83	2.50	-0.08	88.5	+1.30 -0.54	8.5	7.0	3.0	65.2	69.5	25.00	86.5	+0.35	2.65	1.75	5.3	77.50	118.0	2.5	21.2	466	213.0
85	J85	3.00		90.5		8.6	7.2	3.5	66.9	71.3	25.30	88.5		3.15	1.75	5.3	79.50	201.0	3.0	31.2	477	364.0
87	J87	3.00		93.5		8.6	7.4	3.5	69.0	73.3	31.00	90.5		3.15	1.75	5.3	81.30	204.0	3.0	31.8	488	370.0
88	J87	3.00		93.5		8.6	7.4	3.5	69.9	74.3	31.00	91.5		3.15	1.75	5.3	82.00	209.0	3.0	32.7	493	380.0
90	J90	3.00		95.5		8.6	7.6	3.5	71.9	76.3	33.00	93.5		3.15	1.75	5.3	84.00	199.0	3.0	31.4	504	364.0




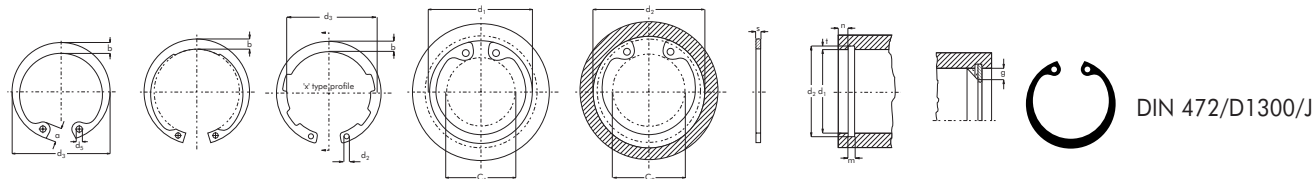
d <sub>1</sub>	DIN 472 D1300 J											Groove				D A T A								
		s	Tolerance	d <sub>3</sub>	Tolerance	a max.	b ≈	d <sub>5</sub> min.	C <sub>1</sub>	C <sub>2</sub>	Weight (kg/1000)	d <sub>2</sub>	Tolerance	m min.	t	n	FN (kN)	FR (kN)	g	FRg (kN)	AN (mm <sup>2</sup> )	K (kN•mm) <sup>B</sup>		
92	J92	3.00	-0.08	97.5	+1.30 -0.54	8.7	7.8	3.5	73.7	78.1	35.0	95.5	+0.35	3.15	1.75	5.3	85.0	201	3.0	32.0	515	371		
95	J95	3.00		100.5		8.8	8.1	3.5	76.5	80.9	37.0	98.5		98.5	3.15	1.75	5.3	88.0	195	3.0	31.4	532	365	
97	J98	3.00		103.5		9.0	8.3	3.5	78.1	82.5	41.0	100.5		100.5	3.15	1.75	5.3	90.0	193	3.0	31.2	543	364	
98	J98	3.00		103.5		9.0	8.3	3.5	79.0	83.5	41.0	101.5		101.5	3.15	1.75	5.3	91.0	191	3.0	31.0	548	361	
100	J100	3.00		105.5		9.2	8.4	3.5	80.6	85.1	42.0	103.5		103.5	3.15	1.75	5.3	93.0	188	3.0	30.8	559	359	
102	J102	4.00	-0.10	108.0		+1.50 -0.63	9.5	8.5	3.5	82.0	87.0	55.0	106.0	+0.54	4.15	2.00	6.0	108.0	439	3.0	72.6	653	846	
105	J105	4.00		112.0			9.5	8.7	3.5	85.0	90.0	56.0	109.0		109.0	4.15	2.00	6.0	112.0	436	3.0	73.0	672	850
107	J108	4.00		115.0			9.5	8.9	3.5	87.0	92.0	60.0	111.0		111.0	4.15	2.00	6.0	114.0	425	3.0	71.6	684	834
108	J108	4.00		115.0			9.5	8.9	3.5	88.0	93.0	60.0	112.0		112.0	4.15	2.00	6.0	115.0	419	3.0	71.0	691	825
110	J110	4.00		117.0			10.4	9.0	3.5	88.2	93.2	64.5	114.0		114.0	4.15	2.00	6.0	117.0	415	3.0	71.0	704	824
112	J112	4.00	-0.10	119.0	+1.50 -0.63		10.5	9.1	3.5	90.0	95.0	72.0	116.0	+0.63	4.15	2.00	6.0	119.0	418	3.0	72.0	715	837	
115	J115	4.00		122.0			10.5	9.3	3.5	93.0	98.0	74.5	119.0		119.0	4.15	2.00	6.0	122.0	409	3.0	71.2	735	829
117	J118	4.00		125.0			10.7	9.6	3.5	94.6	99.6	75.5	121.0		121.0	4.15	2.00	6.0	124.0	399	3.0	70.0	747	814
118	J118	4.00		125.0			10.7	9.6	3.5	95.6	100.6	75.5	122.0		122.0	4.15	2.00	6.0	125.0	394	3.0	69.3	754	807
120	J120	4.00		127.0			11.0	9.7	3.5	96.9	102.0	77.0	124.0		124.0	4.15	2.00	6.0	127.0	396	3.0	70.0	767	818
122	J122	4.00	-0.10	129.0		+1.50 -0.63	11.0	9.8	4.0	98.0	104.0	78.0	126.0	+0.63	4.15	2.00	6.0	129.0	399	3.0	71.0	779	829	
125	J125	4.00		132.0			11.0	10.0	4.0	101.9	107.0	79.0	129.0		129.0	4.15	2.00	6.0	132.0	385	3.0	70.0	797	809
127	J128	4.00		135.0			11.0	10.0	4.0	103.9	109.0	81.0	131.0		131.0	4.15	2.00	6.0	135.0	383	3.0	70.0	810	808
128	J128	4.00		135.0			11.0	10.2	4.0	104.9	110.0	81.0	132.0		132.0	4.15	2.00	6.0	136.0	378	3.0	69.0	816	802
130	J130	4.00		137.0			11.0	10.2	4.0	106.9	112.0	82.0	134.0		134.0	4.15	2.00	6.0	138.0	374	3.0	69.0	829	801
132	J132	4.00	-0.10	139.0	+1.50 -0.63		11.0	10.3	4.0	108.9	114.0	83.0	136.0	+0.63	4.15	2.00	6.0	140.0	366	3.0	68.0	842	789	
135	J135	4.00		142.0			11.2	10.5	4.0	111.5	116.0	84.0	139.0		139.0	4.15	2.00	6.0	143.0	358	3.0	67.0	860	781
137	J138	4.00		145.0			11.2	10.6	4.0	113.5	118.6	86.0	141.0		141.0	4.15	2.00	6.0	145.0	356	3.0	67.0	874	780
138	J138	4.00		145.0			11.2	10.6	4.0	114.5	119.6	86.0	142.0		142.0	4.15	2.00	6.0	146.0	352	3.0	66.5	880	775
140	J140	4.00		147.0			11.2	10.7	4.0	116.5	121.0	87.5	144.0		144.0	4.15	2.00	6.0	148.0	350	3.0	66.5	892	775
142	J142	4.00	-0.10	149.0		+1.50 -0.63	11.3	10.8	4.0	118.3	123.4	89.0	146.0	+0.63	4.15	2.00	6.0	150.0	342	3.0	65.5	905	764	
145	J145	4.00		152.0			11.4	10.9	4.0	121.0	126.0	93.0	149.0		149.0	4.15	2.00	6.0	153.0	336	3.0	65.0	923	757
147	J148	4.00		155.0			11.8	11.1	4.0	122.2	127.4	100.0	151.0		151.0	4.15	2.00	6.0	156.0	336	3.0	65.0	936	757
148	J148	4.00		155.0			11.8	11.1	4.0	123.2	128.4	100.0	152.0		152.0	4.15	2.00	6.0	157.0	331	3.0	64.5	942	753
150	J150	4.00		158.0			12.0	11.2	4.0	124.8	131.0	105.0	155.0		155.0	4.15	2.50	7.5	191.0	326	3.0	64.0	1198	748
152	J152	4.00	-0.10	161.0	+1.50 -0.63		12.0	11.3	4.0	126.8	133.0	106.0	157.0	+0.63	4.15	2.50	7.5	202.0	326	3.5	55.0	1212	747	
155	J155	4.00		164.0			12.0	11.4	4.0	129.8	136.0	107.0	160.0		160.0	4.15	2.50	7.5	206.0	324	3.5	55.0	1237	743
157	J158	4.00		167.0			12.3	11.5	4.0	131.2	137.4	109.0	162.0		162.0	4.15	2.50	7.5	208.0	328	3.5	55.5	1251	752
158	J158	4.00		167.0			12.3	11.5	4.0	132.2	138.4	109.0	163.0		163.0	4.15	2.50	7.5	210.0	326	3.5	55.0	1260	747
160	J160	4.00		169.0			13.0	11.6	4.0	132.7	139.0	110.0	165.0		165.0	4.15	2.50	7.5	212.0	321	3.5	54.5	1275	737




d <sub>1</sub>	DIN 472 D1300 J											Groove				D A T A						
		s	Tolerance	d <sub>3</sub>	Tolerance	a max.	b =	d <sub>5</sub> min.	C <sub>1</sub>	C <sub>2</sub>	Weight (kg/1000)	d <sub>2</sub>	Tolerance	m min.	t	n	FN (kN)	FR (kN)	g	FRg (kN)	AN (mm <sup>2</sup> )	K (kN·mm) <sup>B</sup>
162	J162	4.00		171.5		13.0	11.7	4.0	134.7	141.0	118.0	167.0		4.15	2.50	7.5	215.0	321	3.5	54.5	1290	736
165	J165	4.00		174.5		13.0	11.8	4.0	137.7	144.0	125.0	170.0		4.15	2.50	7.5	219.0	319	3.5	54.0	1315	732
167	J168	4.00		177.5	+1.50	13.5	12.1	4.0	138.7	145.0	135.0	172.0		4.15	2.50	7.5	221.0	355	3.5	60.0	1330	814
168	J168	4.00		177.5	-0.63	13.5	12.1	4.0	139.7	146.0	135.0	173.0		4.15	2.50	7.5	223.0	353	3.5	60.0	1339	810
170	J170	4.00		179.5		13.5	12.2	4.0	141.6	148.0	140.0	175.0	+0.63	4.15	2.50	7.5	225.0	349	3.5	59.0	1355	800
172	J172	4.00		181.5		13.5	12.5	4.0	143.6	150.0	145.0	177.0		4.15	2.50	7.5	228.0	357	3.5	60.0	1370	818
175	J175	4.00		184.5		13.5	12.7	4.0	146.6	153.0	150.0	180.0		4.15	2.50	7.5	232.0	351	3.5	59.0	1393	804
177	J178	4.00		187.5		14.2	12.9	4.0	147.0	153.6	162.0	182.0		4.15	2.50	7.5	235.0	346	3.5	58.5	1410	794
178	J178	4.00		187.5		14.2	12.9	4.0	148.0	154.6	162.0	183.0		4.15	2.50	7.5	236.0	344	3.5	58.0	1418	789
180	J180	4.00	-0.10	189.5		14.2	13.2	4.0	150.2	156.0	165.0	185.0		4.15	2.50	7.5	238.0	347	3.5	58.5	1432	796
182	J182	4.00		191.5		14.2	13.5	4.0	152.0	158.6	168.0	187.0		4.15	2.50	7.5	241.0	355	3.5	60.0	1449	814
185	J185	4.00		194.5		14.2	13.7	4.0	155.2	161.0	170.0	190.0		4.15	2.50	7.5	245.0	349	3.5	59.0	1471	800
187	J188	4.00		197.5		14.2	13.8	4.0	157.0	163.6	174.0	192.0		4.15	2.50	7.5	248.0	345	3.5	58.5	1490	792
188	J188	4.00		197.5		14.2	13.8	4.0	158.0	164.6	174.0	193.0		4.15	2.50	7.5	249.0	343	3.5	58.0	1495	786
190	J190	4.00		199.5		14.2	13.8	4.0	160.2	166.0	175.0	195.0		4.15	2.50	7.5	251.0	340	3.5	57.5	1510	779
192	J192	4.00		201.5		14.2	13.8	4.0	162.0	168.6	178.0	197.0		4.15	2.50	7.5	254.0	336	3.5	57.0	1528	770
195	J195	4.00		204.5		14.2	13.8	4.0	165.2	171.0	183.0	200.0		4.15	2.50	7.5	258.0	330	3.5	55.5	1550	756
197	J198	4.00		207.5		14.2	14.0	4.0	166.0	173.6	190.0	202.0		4.15	2.50	7.5	260.0	330	3.5	55.5	1565	756
198	J198	4.00		207.5	+1.70	14.2	14.0	4.0	168.0	174.6	190.0	203.0		4.15	2.50	7.5	262.0	329	3.5	55.5	1575	754
200	J200	4.00		209.5	-0.72	14.2	14.0	4.0	170.2	176.0	195.0	205.0		4.15	2.50	7.5	265.0	325	3.5	55.0	1590	745
202	J202	5.00		214.0		14.2	14.0	4.0	172.0	179.6	210.0	208.0	+0.72	5.15	3.00	9.0	321.0	625	4.0	92.5	1930	1432
205	J205	5.00		217.0		14.2	14.0	4.0	175.0	182.6	225.0	211.0		5.15	3.00	9.0	326.0	616	4.0	91.5	1960	1411
207	J205	5.00		217.0		14.2	14.0	4.0	177.0	184.6	225.0	213.0		5.15	3.00	9.0	329.0	610	4.0	90.0	1979	1399
208	J210	5.00		222.0		14.2	14.0	4.0	178.0	185.6	270.0	214.0		5.15	3.00	9.0	331.0	607	4.0	90.0	1990	1392
210	J210	5.00		222.0		14.2	14.0	4.0	180.2	187.0	270.0	216.0		5.15	3.00	9.0	333.0	601	4.0	89.5	2002	1378
212	J212	5.00		222.0		14.2	14.0	4.0	182.0	189.6	270.0	218.0		5.15	3.00	9.0	337.0	596	4.0	88.5	2025	1367
215	J215	5.00		227.0		14.2	14.0	4.0	185.0	192.6	300.0	221.0		5.15	3.00	9.0	341.0	586	4.0	87.0	2050	1343
217	J215	5.00	-0.12	227.0		14.2	14.0	4.0	187.0	194.6	300.0	223.0		5.15	3.00	9.0	345.0	581	4.0	86.0	2072	1331
218	J220	5.00		232.0		14.2	14.0	4.0	188.0	195.6	315.0	224.0		5.15	3.00	9.0	346.0	580	4.0	86.0	2080	1329
220	J220	5.00		232.0		14.2	14.0	4.0	190.2	197.0	315.0	226.0		5.15	3.00	9.0	349.0	574	4.0	85.0	2095	1316
222	J222	5.00		232.0		14.2	14.0	4.0	192.0	199.6	315.0	228.0		5.15	3.00	9.0	353.0	568	4.0	84.0	2120	1303
225	J225	5.00		237.0		14.2	14.0	4.0	195.0	202.6	323.0	231.0		5.15	3.00	9.0	357.0	560	4.0	83.0	2145	1283
227	J225	5.00		237.0		14.2	14.0	4.0	195.0	204.6	323.0	233.0		5.15	3.00	9.0	361.0	555	4.0	82.0	2170	1271
228	J230	5.00		242.0		14.2	14.0	4.0	198.0	205.6	330.0	234.0		5.15	3.00	9.0	362.0	554	4.0	82.0	2175	1268
230	J230	5.00		242.0		14.2	14.0	4.0	200.2	207.0	330.0	236.0		5.15	3.00	9.0	365.0	549	4.0	81.0	2196	1259



d <sub>1</sub>	DIN 472 D1300 J											Groove				D A T A						
		s	Tolerance	d <sub>3</sub>	Tolerance	a max.	b =	d <sub>5</sub> min.	C <sub>1</sub>	C <sub>2</sub>	Weight (kg/1000)	d <sub>2</sub>	Tolerance	m min.	t	n	FN (kN)	FR (kN)	g	FRg (kN)	AN (mm <sup>2</sup> )	$\frac{K}{B}$ (kN•mm)
232	J232	5.00		242.0		14.2	14.0	4.0	202.0	209.6	330	238		5.15	3.00	9.0	369	544	4.0	80.50	2215	1246
235	J235	5.00		247.0		14.2	14.0	4.0	205.0	212.6	338	241		5.15	3.00	9.0	373	536	4.0	79.50	2240	1229
237	J235	5.00		247.0		14.2	14.0	4.0	207.0	214.6	338	243		5.15	3.00	9.0	376	531	4.0	79.00	2260	1217
238	J240	5.00		252.0		14.2	14.0	4.0	208.0	215.6	345	244		5.15	3.00	9.0	378	530	4.0	79.00	2270	1214
240	J240	5.00		252.0		14.2	14.0	4.0	210.2	217.0	345	246	+0.72	5.15	3.00	9.0	380	525	4.0	77.50	2285	1204
242	J242	5.00		252.0		14.2	14.0	4.0	212.0	219.6	345	248	.....	5.15	3.00	9.0	385	521	4.0	77.00	2310	1194
245	J245	5.00		257.0		14.2	14.0	4.0	215.0	222.6	353	251		5.15	3.00	9.0	389	514	4.0	76.50	2335	1178
247	J245	5.00		257.0		14.2	14.0	4.0	217.0	224.6	353	253		5.15	3.00	9.0	392	509	4.0	76.00	2365	1167
248	J250	5.00		262.0		14.2	14.0	4.0	218.0	225.6	360	254		5.15	3.00	9.0	394	507	4.0	75.50	2365	1163
250	J250	5.00		262.0		14.2	14.0	4.0	220.2	227.0	360	256		5.15	3.00	9.0	396	504	4.0	75.00	2380	1155
252	J252	5.00		262.0		14.2	16.0	5.0	222.0	231.6	360	260		5.15	4.00	12.0	535	557	4.0	83.00	3215	1277
255	J255	5.00		270.0		16.2	16.0	5.0	221.0	230.6	368	263		5.15	4.00	12.0	541	549	4.0	81.50	3250	1259
257	J255	5.00		270.0		16.2	16.0	5.0	223.0	232.6	368	265		5.15	4.00	12.0	546	545	4.0	81.00	3280	1249
258	J260	5.00		275.0		16.2	16.0	5.0	224.0	233.6	375	266		5.15	4.00	12.0	548	543	4.0	80.50	3290	1244
260	J260	5.00		275.0		16.2	16.0	5.0	226.0	235.0	375	268		5.15	4.00	12.0	553	538	4.0	80.00	3320	1234
262	J262	5.00		275.0		16.2	16.0	5.0	228.0	237.6	375	270		5.15	4.00	12.0	556	535	4.0	79.00	3340	1227
265	J265	5.00		280.0		16.2	16.0	5.0	231.0	240.6	383	273		5.15	4.00	12.0	563	528	4.0	78.50	3380	1210
267	J265	5.00	-0.12	280.0	+2.00 -0.81	16.2	16.0	5.0	233.0	242.6	383	275		5.15	4.00	12.0	566	524	4.0	78.00	3400	1201
268	J270	5.00		285.0		16.2	16.0	5.0	234.0	243.6	388	276		5.15	4.00	12.0	570	522	4.0	77.50	3420	1196
270	J270	5.00		285.0		16.2	16.0	5.0	236.0	245.0	388	278	+0.81	5.15	4.00	12.0	573	518	4.0	77.00	3440	1188
272	J272	5.00		285.0		16.2	16.0	5.0	238.0	247.6	388	280		5.15	4.00	12.0	577	515	4.0	76.50	3465	1180
275	J275	5.00		290.0		16.2	16.0	5.0	241.0	250.6	393	283		5.15	4.00	12.0	585	509	4.0	75.50	3510	1167
277	J275	5.00		290.0		16.2	16.0	5.0	243.0	252.6	393	285		5.15	4.00	12.0	587	505	4.0	75.00	3525	1158
278	J280	5.00		295.0		16.2	16.0	5.0	244.0	253.6	400	286		5.15	4.00	12.0	590	504	4.0	75.00	3540	1154
280	J280	5.00		295.0		16.2	16.0	5.0	246.0	255.0	400	288		5.15	4.00	12.0	593	499	4.0	74.00	3560	1145
282	J282	5.00		295.0		16.2	16.0	5.0	248.0	257.6	400	290		5.15	4.00	12.0	599	497	4.0	74.00	3595	1138
285	J285	5.00		300.0		16.2	16.0	5.0	251.0	260.0	408	293		5.15	4.00	12.0	605	491	4.0	73.00	3630	1124
287	J285	5.00		300.0		16.2	16.0	5.0	253.0	262.6	408	295		5.15	4.00	12.0	610	487	4.0	72.00	3660	1117
288	J290	5.00		305.0		16.2	16.0	5.0	254.0	263.6	415	296		5.15	4.00	12.0	611	485	4.0	72.00	3670	1111
290	J290	5.00		305.0		16.2	16.0	5.0	256.0	265.0	415	298		5.15	4.00	12.0	615	482	4.0	71.50	3695	1104
292	J292	5.00		305.0		16.2	16.0	5.0	258.0	267.6	415	300		5.15	4.00	12.0	620	479	4.0	71.00	3720	1098
295	J295	5.00		310.0		16.2	16.0	5.0	261.0	270.6	426	303		5.15	4.00	12.0	625	474	4.0	70.50	3755	1087
297	J295	5.00		310.0		16.2	16.0	5.0	263.0	272.6	426	305		5.15	4.00	12.0	630	471	4.0	70.50	3780	1079
298	J300	5.00		315.0		16.2	16.0	5.0	264.0	273.6	435	306		5.15	4.00	12.0	631	469	4.0	69.50	3790	1075
300	J300	5.00		315.0		16.2	16.0	5.0	266.0	275.0	435	308		5.15	4.00	12.0	636	466	4.0	69.00	3820	1068



d <sub>1</sub>	DIN 472 D1300 J								Groove											D A T A				
		s	Tolerance	d <sub>3</sub>	Tolerance	b ≈	d <sub>5 min.</sub>	Weight (kg/1000)	d <sub>2</sub>	Tolerance	m min.	t	n	FN (kN)	FR (kN)	g	FRg (kN)	AN (mm <sup>2</sup> )	K (kN*mm)					
305	J305	6.00		322.0		20.0	6.0	755	315	+0.81	6.20	5.00	15.0	810	961	5.0	114.00	4860	2202					
310	J310	6.00		327.0		20.0	6.0	770	320		6.20	5.00	15.0	823	947	5.0	113.00	4940	2169					
315	J315	6.00		332.0		20.0	6.0	785	325		6.20	5.00	15.0	837	934	5.0	111.00	5027	2140					
320	J320	6.00		337.0		20.0	6.0	800	330		6.20	5.00	15.0	850	919	5.0	109.00	5100	2105					
325	J325	6.00		342.0		20.0	6.0	810	335		6.20	5.00	15.0	864	906	5.0	108.00	5184	2076					
330	J330	6.00		347.0		20.0	6.0	820	340		6.20	5.00	15.0	876	894	5.0	106.00	5260	2048					
335	J335	6.00		352.0		20.0	6.0	830	345		6.20	5.00	15.0	890	880	5.0	105.00	5341	2017					
340	J340	6.00		357.0		20.0	6.0	840	350		6.20	5.00	15.0	903	869	5.0	104.00	5420	1991					
345	J345	6.00		362.0	+2.00	20.0	6.0	855	355		6.20	5.00	15.0	916	857	5.0	102.00	5498	1964					
350	J350	6.00		367.0	-0.90	20.0	6.0	870	360	+0.89	6.20	5.00	15.0	929	846	5.0	101.00	5575	1938					
355	J355	6.00		372.0		20.0	6.0	880	365		6.20	5.00	15.0	942	834	5.0	99.00	5655	1910					
360	J360	6.00		377.0		20.0	6.0	890	370		6.20	5.00	15.0	955	823	5.0	98.00	5730	1886					
365	J365	6.00		382.0		20.0	6.0	906	375		6.20	5.00	15.0	968	813	5.0	97.00	5812	1862					
370	J370	6.00		387.0		20.0	6.0	920	380		6.20	5.00	15.0	981	803	5.0	95.00	5890	1839					
375	J375	6.00		392.0		20.0	6.0	932	385		6.20	5.00	15.0	994	793	5.0	94.00	5969	1817					
380	J380	6.00		397.0		20.0	6.0	940	390		6.20	5.00	15.0	1008	784	5.0	93.00	6050	1796					
385	J385	6.00		402.0		20.0	6.0	950	395		6.20	5.00	15.0	1021	774	5.0	92.00	6126	1774					
390	J390	6.00	-0.15	407.0		20.0	6.0	960	400		6.20	5.00	15.0	1033	764	5.0	91.00	6200	1751					
395	J395	6.00		412.0		20.0	6.0	972	405		6.20	5.00	15.0	1047	756	5.0	90.00	6283	1732					
400	J400	6.00		417.0		20.0	6.0	980	410		6.20	5.00	15.0	1060	746	5.0	89.00	6360	1710					

