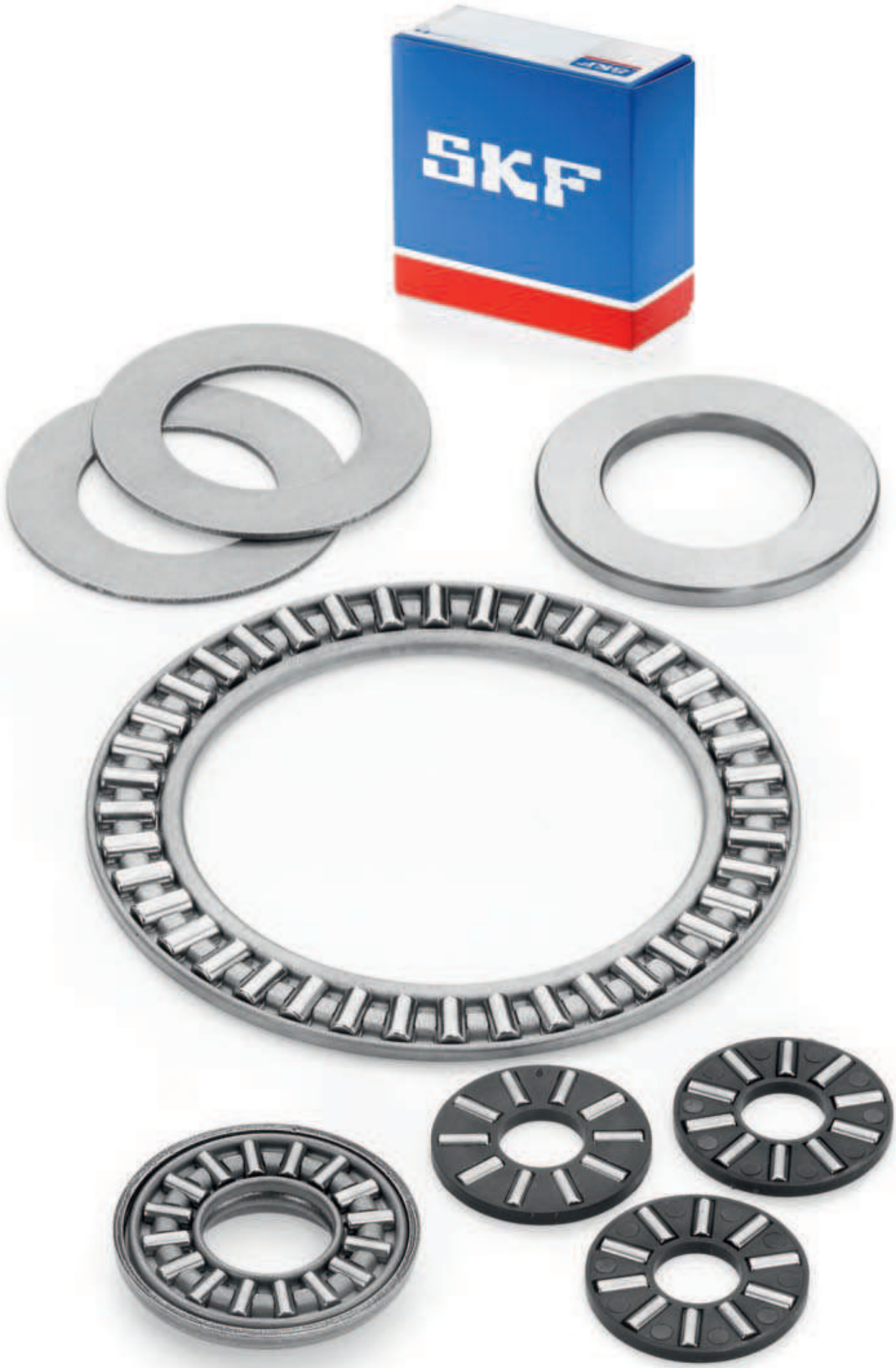
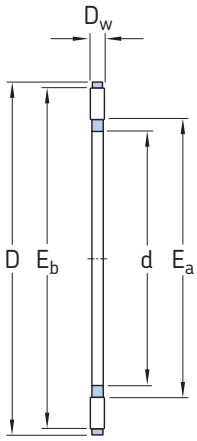
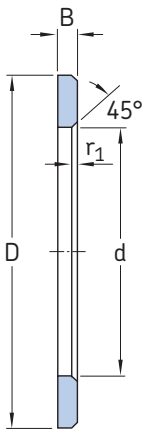

SKF

Needle roller and cage thrust assemblies and appropriate washers
d **4 – 80** mm

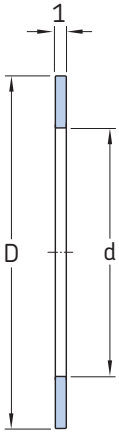


AXK

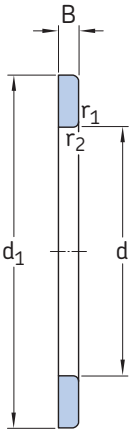
Dimensions					Basic load ratings dynamic	static	Fatigue load limit	Speed ratings Reference speed	Limiting speed	Mass	Designation
d	D	D_w	E_a	E_b	C	C_0	P_u				
mm					kN		kN	r/min		g	–
4	14	2	5	13	4,15	8,3	0,865	7 500	15 000	0,7	**AXK 0414 TN**
5	15	2	6	14	4,5	9,5	1	6 700	14 000	0,8	**AXK 0515 TN**
6	19	2	7	18	6,3	16	1,75	6 000	12 000	1	**AXK 0619 TN**
8	21	2	9	20	7,2	20	2,2	5 600	11 000	2	**AXK 0821 TN**
10	24	2	12	23	8,5	26	2,85	5 300	10 000	3	**AXK 1024**
12	26	2	14	25	9,15	30	3,25	5 000	10 000	3	**AXK 1226**
15	28	2	17	27	10,4	37,5	4,15	4 800	9 500	4	**AXK 1528**
17	30	2	19	29	11	40,5	4,5	4 500	9 500	4	**AXK 1730**
20	35	2	22	34	12	47,5	5,3	4 300	8 500	5	**AXK 2035**
25	42	2	29	41	13,4	60	6,7	3 800	7 500	7	**AXK 2542**
30	47	2	34	46	15	72	8	3 600	7 000	8	**AXK 3047**
35	52	2	39	51	16,6	83	9,3	3 200	6 300	10	**AXK 3552**
40	60	3	45	58	25	114	13,7	2 800	5 600	16	**AXK 4060**
45	65	3	50	63	27	127	15,3	2 600	5 300	18	**AXK 4565**
50	70	3	55	68	28,5	143	17	2 400	5 000	20	**AXK 5070**
55	78	3	60	76	34,5	186	22,4	2 200	4 300	28	**AXK 5578**
60	85	3	65	83	37,5	232	28,5	2 200	4 300	33	**AXK 6085**
65	90	3	70	88	39	255	31	2 000	4 000	35	**AXK 6590**
70	95	4	74	93	49	255	30,5	1 800	3 600	60	**AXK 7095**
75	100	4	79	98	50	265	32	1 700	3 400	61	**AXK 75100**
80	105	4	84	103	51	280	33,5	1 700	3 400	63	**AXK 80105**



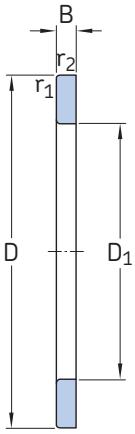
LS



AS



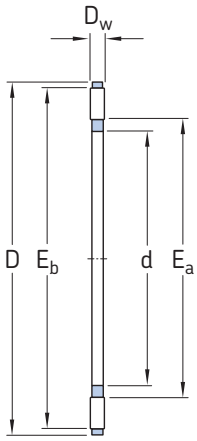
WS 811



GS 811

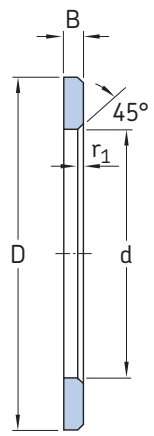
Dimensions Washers						**Masses** Washers		**Designations** Raceway washer	Thrust washer	Shaft washer	Housing washer
d	d_1	D	D_1	B	$r_{1,2}$ min	LS, WS, GS	AS				
mm						g		–			
4	–	14	–	–	–	–	1	**–**	**AS 0414**	**–**	**–**
5	–	15	–	–	–	–	1	**–**	**AS 0515**	**–**	**–**
6	–	19	–	2,75	0,3	6	2	**LS 0619**	**AS 0619**	**–**	**–**
8	–	21	–	2,75	0,3	6	2	**LS 0821**	**AS 0821**	**–**	**–**
10	–	24	–	2,75	0,3	8	3	**LS 1024**	**AS 1024**	**–**	**–**
12	–	26	–	2,75	0,3	9	3	**LS 1226**	**AS 1226**	**–**	**–**
15	28	28	16	2,75	0,3	9	3	**LS 1528**	**AS 1528**	**WS 81102**	**GS 81102**
17	30	30	18	2,75	0,3	10	4	**LS 1730**	**AS 1730**	**WS 81103**	**GS 81103**
20	35	35	21	2,75	0,3	14	5	**LS 2035**	**AS 2035**	**WS 81104**	**GS 81104**
25	42	42	26	3,00	0,6	21	7	**LS 2542**	**AS 2542**	**WS 81105**	**GS 81105**
30	47	47	32	3,00	0,6	24	8	**LS 3047**	**AS 3047**	**WS 81106**	**GS 81106**
35	52	52	37	3,50	0,6	32	9	**LS 3552**	**AS 3552**	**WS 81107**	**GS 81107**
40	60	60	42	3,50	0,6	43	12	**LS 4060**	**AS 4060**	**WS 81108**	**GS 81108**
45	65	65	47	4,00	0,6	54	13	**LS 4565**	**AS 4565**	**WS 81109**	**GS 81109**
50	70	70	52	4,00	0,6	59	14	**LS 5070**	**AS 5070**	**WS 81110**	**GS 81110**
55	78	78	57	5,00	0,6	94	18	**LS 5578**	**AS 5578**	**WS 81111**	**GS 81111**
60	85	85	62	4,75	1	110	22	**LS 6085**	**AS 6085**	**WS 81112**	**GS 81112**
65	90	90	67	5,25	1	120	24	**LS 6590**	**AS 6590**	**WS 81113**	**GS 81113**
70	95	95	72	5,25	1	130	25	**LS 7095**	**AS 7095**	**WS 81114**	**GS 81114**
75	100	100	77	5,75	1	150	27	**LS 75100**	**AS 75100**	**WS 81115**	**GS 81115**
80	105	105	82	5,75	1	160	28	**LS 80105**	**AS 80105**	**WS 81116**	**GS 81116**

Needle roller and cage thrust assemblies and appropriate washers
d **85 – 160** mm

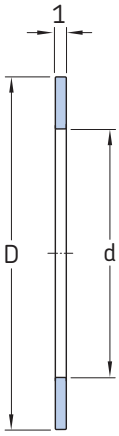


AXK

Dimensions					**Basic load ratings** dynamic	static	**Fatigue load limit**	**Speed ratings** Reference speed	Limiting speed	**Mass**	**Designation**
d	D	D_w	E_a	E_b	C	C_0	P_u				
mm					kN		kN	r/min		g	–
85	110	4	89	108	52	290	34,5	1 700	3 400	67	**AXK 85110**
90	120	4	94	118	65,5	405	48	1 500	3 000	86	**AXK 90120**
100	135	4	105	133	76,5	560	65,5	1 400	2 800	100	**AXK 100135**
110	145	4	115	143	81,5	620	71	1 400	2 800	120	**AXK 110145**
120	155	4	125	153	86,5	680	76,5	1 300	2 600	130	**AXK 120155**
130	170	5	136	167	112	830	93	1 100	2 200	210	**AXK 130170**
140	180	5	146	177	116	900	98,6	1 000	2 000	220	**AXK 140180**
150	190	5	156	187	120	950	102	1 000	2 000	230	**AXK 150190**
160	200	5	166	197	125	1000	106	950	1 900	250	**AXK 160200**



LS



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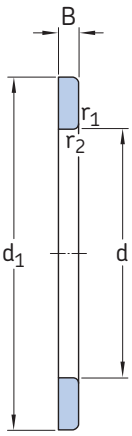
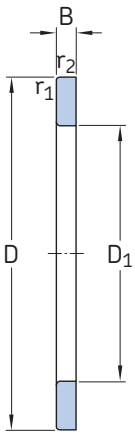


WS 811



GS 811

Dimensions Washers						**Masses** Washers		**Designations**			
d	d_1	D	D_1	B	$r_{1,2}$ min	LS, WS, GS	AS	Raceway washer	Thrust washer	Shaft washer	Housing washer
mm						g		–			
85	110	110	87	5,75	1	170	29	**LS 85110**	**AS 85110**	**WS 81117**	**GS 81117**
90	120	120	92	6,50	1	250	39	**LS 90120**	**AS 90120**	**WS 81118**	**GS 81118**
100	135	135	102	7,00	1	350	50	**LS 100135**	**AS 100135**	**WS 81120**	**GS 81120**
110	145	145	112	7,00	1	380	55	**LS 110145**	**AS 110145**	**WS 81122**	**GS 81122**
120	155	155	122	7,00	1	410	59	**LS 120155**	**AS 120155**	**WS 81124**	**GS 81124**
130	170	170	132	9,00	1	660	65	**LS 130170**	**AS 130170**	**WS 81126**	**GS 81126**
140	178	180	142	9,50	1	700	79	**LS 140180**	**AS 140180**	**WS 81128**	**GS 81128**
150	188	190	152	9,50	1	750	84	**LS 150190**	**AS 150190**	**WS 81130**	**GS 81130**
160	198	200	162	9,50	1	790	89	**LS 160200**	**AS 160200**	**WS 81132**	**GS 81132**