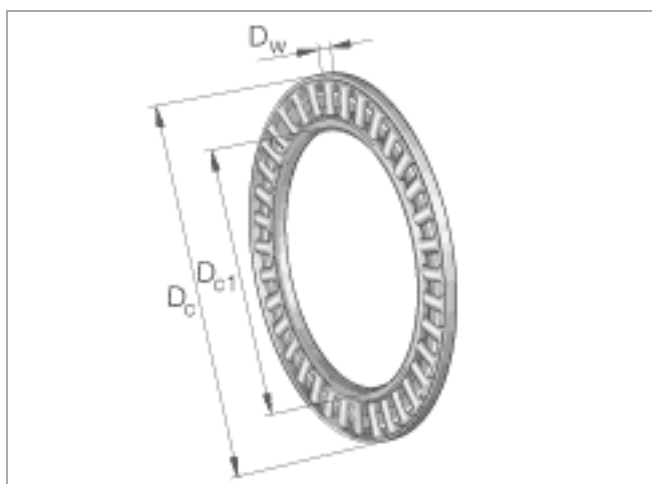




Axial needle roller and cage assemblies AXK

single direction, to DIN 5405-2

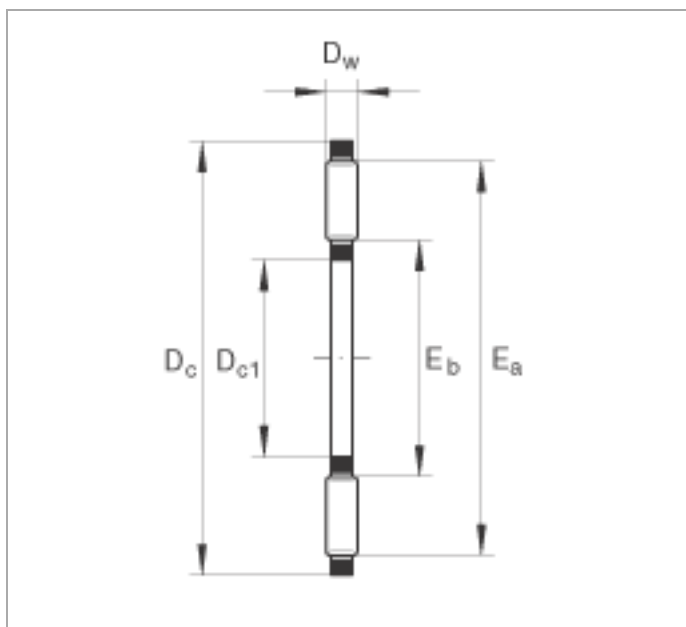
The datasheet is only an overview of dimensions and basic load ratings for the selected series. Please ensure that you note all the guidance in these overview pages. Further information is given on many products under the menu item "Description". You can also obtain comprehensive information material via Catalogue selection (<http://www.ina.de/content.ina.de/en/services/mediathek/library/library.jsp>), by e-mail (kataloge@de.ina.com) or telephone +49 (91 32) 82 - 28 97.



	D _{c1} mm	D _c mm	D _w mm
AXK0414-TV	4	14	2
AXK0515-TV	5	15	2
AXK0619-TV	6	19	2
AXK0821-TV	8	21	2
AXK1024	10	24	2
AXK1226	12	26	2
AXK1528	15	28	2
AXK1730	17	30	2
AXK2035	20	35	2
AXK2542	25	42	2
AXK3047	30	47	2
AXK3552	35	52	2
	D _{c1} mm	D _c mm	D _w mm

	D _{c1} mm	D _c mm	D _w mm
AXK4060	40	60	3
AXK4565	45	65	3
AXK5070	50	70	3
AXK5578	55	78	3
AXK6085	60	85	3
AXK6590	65	90	3
AXK7095	70	95	4
AXK75100	75	100	4
AXK80105	80	105	4
AXK85110	85	110	4
AXK90120	90	120	4
AXK100135	100	135	4
AXK110145	110	145	4
AXK120155	120	155	4
AXK130170	130	170	5
AXK140180	140	180	5
AXK150190	150	190	5
AXK160200	160	200	5
	D _{c1} mm	D _c mm	D _w mm

Figure 1



AXK0414-TV

D _{c1}	4 mm	
D _c	14 mm	
D _w	2 mm	
E _a	13 mm	
E _b	5 mm	
m	0,7 g	Mass
C _a	4400 N	Basic dynamic load rating, axial
C _{0a}	8000 N	Basic static load rating, axial
C _{ua}	940 N	Fatigue limit load
n _G	21500 1/min	Limiting speed
n _B	14900 1/min	Reference speed
	AS0414	Allocated axial bearing washer

AXK0515-TV

D _{c1}	5 mm	
D _c	15 mm	
D _w	2 mm	
E _a	14 mm	
E _b	6 mm	
m	0,8 g	Mass
C _a	4750 N	Basic dynamic load rating, axial
C _{0a}	9200 N	Basic static load rating, axial
C _{ua}	1070 N	Fatigue limit load
n _G	20600 1/min	Limiting speed
n _B	13000 1/min	Reference speed
	AS0515	Allocated axial bearing washer

AXK0619-TV

D _{c1}	6 mm	
D _c	19 mm	
D _w	2 mm	
E _a	18 mm	
E _b	7 mm	
m	1 g	Mass
C _a	6800 N	Basic dynamic load rating, axial
C _{0a}	15500 N	Basic static load rating, axial
C _{ua}	1580 N	Fatigue limit load
n _G	18900 1/min	Limiting speed
n _B	10800 1/min	Reference speed
	AS0619	Allocated axial bearing washer

AXK0821-TV

D _{c1}	8 mm	
D _c	21 mm	
D _w	2 mm	
E _a	20 mm	
E _b	9 mm	
m	2 g	Mass
C _a	7800 N	Basic dynamic load rating, axial
C _{0a}	19400 N	Basic static load rating, axial
C _{ua}	1970 N	Fatigue limit load
n _G	17800 1/min	Limiting speed
n _B	8800 1/min	Reference speed
	AS0821	Allocated axial bearing washer

AXK1024

D _{c1}	10 mm	
D _c	24 mm	
D _w	2 mm	
E _a	23 mm	
E _b	12 mm	
m	3 g	Mass
C _a	9200 N	Basic dynamic load rating, axial
C _{0a}	25500 N	Basic static load rating, axial
C _{ua}	2500 N	Fatigue limit load
n _G	16900 1/min	Limiting speed
n _B	7400 1/min	Reference speed
	AS1024	Allocated axial bearing washer

AXK1226

D _{c1}	12 mm	
D _c	26 mm	
D _w	2 mm	
E _a	25 mm	
E _b	14 mm	
m	3 g	Mass
C _a	9900 N	Basic dynamic load rating, axial
C _{0a}	29000 N	Basic static load rating, axial
C _{ua}	2850 N	Fatigue limit load
n _G	15200 1/min	Limiting speed
n _B	6500 1/min	Reference speed
	AS1226	Allocated axial bearing washer

AXK1528

D _{c1}	15 mm	
D _c	28 mm	
D _w	2 mm	
E _a	27 mm	
E _b	17 mm	
m	4 g	Mass
C _a	11300 N	Basic dynamic load rating, axial
C _{0a}	36000 N	Basic static load rating, axial
C _{ua}	3600 N	Fatigue limit load
n _G	13200 1/min	Limiting speed
n _B	5100 1/min	Reference speed
	AS1528	Allocated axial bearing washer

AXK1730

D _{c1}	17 mm	
D _c	30 mm	
D _w	2 mm	
E _a	29 mm	
E _b	19 mm	
m	4 g	Mass
C _a	11900 N	Basic dynamic load rating, axial
C _{0a}	39500 N	Basic static load rating, axial
C _{ua}	3950 N	Fatigue limit load
n _G	12100 1/min	Limiting speed
n _B	4600 1/min	Reference speed
	AS1730	Allocated axial bearing washer

AXK2035

D _{c1}	20 mm	
D _c	35 mm	
D _w	2 mm	
E _a	34 mm	
E _b	22 mm	
m	5 g	Mass
C _a	13100 N	Basic dynamic load rating, axial
C _{0a}	46500 N	Basic static load rating, axial
C _{ua}	4750 N	Fatigue limit load
n _G	10500 1/min	Limiting speed
n _B	4350 1/min	Reference speed
	AS2035	Allocated axial bearing washer

AXK2542

D _{c1}	25 mm	
D _c	42 mm	
D _w	2 mm	
E _a	41 mm	
E _b	29 mm	
m	7 g	Mass
C _a	14700 N	Basic dynamic load rating, axial
C _{0a}	58000 N	Basic static load rating, axial
C _{ua}	5900 N	Fatigue limit load
n _G	8400 1/min	Limiting speed
n _B	3850 1/min	Reference speed
	AS2542	Allocated axial bearing washer

AXK3047

D _{c1}	30 mm	
D _c	47 mm	
D _w	2 mm	
E _a	46 mm	
E _b	34 mm	
m	8 g	Mass
C _a	16300 N	Basic dynamic load rating, axial
C _{0a}	70000 N	Basic static load rating, axial
C _{ua}	7100 N	Fatigue limit load
n _G	7300 1/min	Limiting speed
n _B	3200 1/min	Reference speed
	AS3047	Allocated axial bearing washer

AXK3552

D _{c1}	35 mm	
D _c	52 mm	
D _w	2 mm	
E _a	51 mm	
E _b	39 mm	
m	10 g	Mass
C _a	17800 N	Basic dynamic load rating, axial
C _{0a}	81000 N	Basic static load rating, axial
C _{ua}	8300 N	Fatigue limit load
n _G	6500 1/min	Limiting speed
n _B	2800 1/min	Reference speed
	AS3552	Allocated axial bearing washer

AXK4060

D _{c1}	40 mm	
D _c	60 mm	
D _w	3 mm	
E _a	58 mm	
E _b	45 mm	
m	16 g	Mass
C _a	28000 N	Basic dynamic load rating, axial
C _{0a}	114000 N	Basic static load rating, axial
C _{ua}	11800 N	Fatigue limit load
n _G	5600 1/min	Limiting speed
n _B	2440 1/min	Reference speed
	AS4060	Allocated axial bearing washer

AXK4565

D _{c1}	45 mm	
D _c	65 mm	
D _w	3 mm	
E _a	63 mm	
E _b	50 mm	
m	18 g	Mass
C _a	30000 N	Basic dynamic load rating, axial
C _{0a}	128000 N	Basic static load rating, axial
C _{ua}	13300 N	Fatigue limit load
n _G	5100 1/min	Limiting speed
n _B	2170 1/min	Reference speed
	AS4565	Allocated axial bearing washer

AXK5070

D _{c1}	50 mm	
D _c	70 mm	
D _w	3 mm	
E _a	68 mm	
E _b	55 mm	
m	20 g	Mass
C _a	32000 N	Basic dynamic load rating, axial
C _{0a}	143000 N	Basic static load rating, axial
C _{ua}	14800 N	Fatigue limit load
n _G	4700 1/min	Limiting speed
n _B	1950 1/min	Reference speed
	AS5070	Allocated axial bearing washer

AXK5578

D _{c1}	55 mm	
D _c	78 mm	
D _w	3 mm	
E _a	76 mm	
E _b	60 mm	
m	28 g	Mass
C _a	38000 N	Basic dynamic load rating, axial
C _{0a}	186000 N	Basic static load rating, axial
C _{ua}	20300 N	Fatigue limit load
n _G	4250 1/min	Limiting speed
n _B	1780 1/min	Reference speed
	AS5578	Allocated axial bearing washer

AXK6085

D _{c1}	60 mm	
D _c	85 mm	
D _w	3 mm	
E _a	83 mm	
E _b	65 mm	
m	33 g	Mass
C _a	44500 N	Basic dynamic load rating, axial
C _{0a}	234000 N	Basic static load rating, axial
C _{ua}	26500 N	Fatigue limit load
n _G	3900 1/min	Limiting speed
n _B	1590 1/min	Reference speed
	AS6085	Allocated axial bearing washer

AXK6590

D _{c1}	65 mm	
D _c	90 mm	
D _w	3 mm	
E _a	88 mm	
E _b	70 mm	
m	35 g	Mass
C _a	46500 N	Basic dynamic load rating, axial
C _{0a}	255000 N	Basic static load rating, axial
C _{ua}	28500 N	Fatigue limit load
n _G	3650 1/min	Limiting speed
n _B	1470 1/min	Reference speed
	AS6590	Allocated axial bearing washer

AXK7095

D _{c1}	70 mm	
D _c	95 mm	
D _w	4 mm	
E _a	93 mm	
E _b	74 mm	
m	60 g	Mass
C _a	54000 N	Basic dynamic load rating, axial
C _{0a}	255000 N	Basic static load rating, axial
C _{ua}	26500 N	Fatigue limit load
n _G	3450 1/min	Limiting speed
n _B	1430 1/min	Reference speed
	AS7095	Allocated axial bearing washer

AXK75100

D _{c1}	75 mm	
D _c	100 mm	
D _w	4 mm	
E _a	98 mm	
E _b	79 mm	
m	61 g	Mass
C _a	55000 N	Basic dynamic load rating, axial
C _{0a}	265000 N	Basic static load rating, axial
C _{ua}	28000 N	Fatigue limit load
n _G	3250 1/min	Limiting speed
n _B	1350 1/min	Reference speed
	AS75100	Allocated axial bearing washer

AXK80105

D _{c1}	80 mm	
D _c	105 mm	
D _w	4 mm	
E _a	103 mm	
E _b	84 mm	
m	63 g	Mass
C _a	56000 N	Basic dynamic load rating, axial
C _{0a}	280000 N	Basic static load rating, axial
C _{ua}	29500 N	Fatigue limit load
n _G	3100 1/min	Limiting speed
n _B	1280 1/min	Reference speed
	AS80105	Allocated axial bearing washer

AXK85110

D _{c1}	85 mm	
D _c	110 mm	
D _w	4 mm	
E _a	108 mm	
E _b	89 mm	
m	67 g	Mass
C _a	58000 N	Basic dynamic load rating, axial
C _{0a}	290000 N	Basic static load rating, axial
C _{ua}	30500 N	Fatigue limit load
n _G	2950 1/min	Limiting speed
n _B	1220 1/min	Reference speed
	AS85110	Allocated axial bearing washer

AXK90120

D _{c1}	90 mm	
D _c	120 mm	
D _w	4 mm	
E _a	118 mm	
E _b	94 mm	
m	86 g	Mass
C _a	73000 N	Basic dynamic load rating, axial
C _{0a}	405000 N	Basic static load rating, axial
C _{ua}	44500 N	Fatigue limit load
n _G	2700 1/min	Limiting speed
n _B	1120 1/min	Reference speed
	AS90120	Allocated axial bearing washer

AXK100135

D _{c1}	100 mm	
D _c	135 mm	
D _w	4 mm	
E _a	133 mm	
E _b	105 mm	
m	104 g	Mass
C _a	91000 N	Basic dynamic load rating, axial
C _{0a}	560000 N	Basic static load rating, axial
C _{ua}	58000 N	Fatigue limit load
n _G	2420 1/min	Limiting speed
n _B	980 1/min	Reference speed
	AS100135	Allocated axial bearing washer

AXK110145

D _{c1}	110 mm	
D _c	145 mm	
D _w	4 mm	
E _a	143 mm	
E _b	115 mm	
m	122 g	Mass
C _a	97000 N	Basic dynamic load rating, axial
C _{0a}	620000 N	Basic static load rating, axial
C _{ua}	63000 N	Fatigue limit load
n _G	2230 1/min	Limiting speed
n _B	890 1/min	Reference speed
	AS110145	Allocated axial bearing washer

AXK120155

D _{c1}	120 mm	
D _c	155 mm	
D _w	4 mm	
E _a	153 mm	
E _b	125 mm	
m	131 g	Mass
C _a	102000 N	Basic dynamic load rating, axial
C _{0a}	680000 N	Basic static load rating, axial
C _{ua}	68000 N	Fatigue limit load
n _G	2070 1/min	Limiting speed
n _B	810 1/min	Reference speed
	AS120155	Allocated axial bearing washer

AXK130170

D _{c1}	130 mm	
D _c	170 mm	
D _w	5 mm	
E _a	167 mm	
E _b	136 mm	
m	205 g	Mass
C _a	133000 N	Basic dynamic load rating, axial
C _{0a}	840000 N	Basic static load rating, axial
C _{ua}	75000 N	Fatigue limit load
n _G	1900 1/min	Limiting speed
n _B	760 1/min	Reference speed
	AS130170	Allocated axial bearing washer

AXK140180

D _{c1}	140 mm	
D _c	180 mm	
D _w	5 mm	
E _a	177 mm	
E _b	146 mm	
m	219 g	Mass
C _a	138000 N	Basic dynamic load rating, axial
C _{0a}	900000 N	Basic static load rating, axial
C _{ua}	79000 N	Fatigue limit load
n _G	1780 1/min	Limiting speed
n _B	710 1/min	Reference speed
	AS140180	Allocated axial bearing washer

AXK150190

D _{c1}	150 mm	
D _c	190 mm	
D _w	5 mm	
E _a	187 mm	
E _b	156 mm	
m	232 g	Mass
C _a	143000 N	Basic dynamic load rating, axial
C _{0a}	960000 N	Basic static load rating, axial
C _{ua}	82000 N	Fatigue limit load
n _G	1680 1/min	Limiting speed
n _B	660 1/min	Reference speed
	AS150190	Allocated axial bearing washer

AXK160200

D _{c1}	160 mm	
D _c	200 mm	
D _w	5 mm	
E _a	197 mm	
E _b	166 mm	
m	246 g	Mass
C _a	148000 N	Basic dynamic load rating, axial
C _{0a}	1020000 N	Basic static load rating, axial
C _{ua}	86000 N	Fatigue limit load
n _G	1590 1/min	Limiting speed
n _B	620 1/min	Reference speed
	AS160200	Allocated axial bearing washer