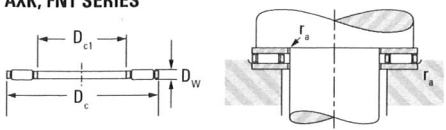
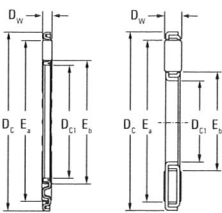


THRUST NEEDLE ROLLER AND CAGE ASSEMBLIES, THRUST WASHERS
METRIC SERIES
AXK, FNT SERIES



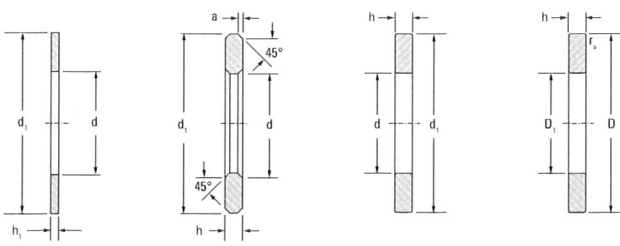
CAGE DESIGN



AXK

FNT

Shaft Dia.	D _{c1}	D _c	D _w	E _s	E _b	f _a max.	Assembly Designation	Load Ratings		Fatigue Load Limit C ₉	Speed Rating Oil	Approx. Wt.
								Dynamic C	Static C ₀			
								kN lbf	kN			kg lbs
6	6 0.2362	19 0.7480	2 0.0787	16.9 0.665	7.9 0.307	0.3 0.012	AXK0619TN	6.37 1432	14.3 3215	1.40	23000	0.001 0.002
				18.0 0.709	8.0 0.315	0.3 0.012	FNT-619	6.82 1530	15.6 3510	1.50	21000	0.002 0.004
8	8 0.3150	21 0.8268	2 0.0787	18.6 0.732	9.6 0.378	0.3 0.012	AXK0821TN	8.34 1870	21.1 4740	2.00	20000	0.001 0.002
				20.0 0.787	10.0 0.394	0.3 0.012	FNT-821	7.67 1720	19.1 4290	1.85	20000	0.002 0.004
10	10 0.3937	24 0.9449	2 0.0787	22.5 0.886	11.0 0.433	0.3 0.012	AXK1024	9.32 2100	25.9 5820	2.90	17000	0.003 0.007
				23.0 0.906	12.0 0.472	0.3 0.012	FNT-1024	9.14 2060	25.2 5670	2.40	17000	0.002 0.004
12	12 0.4724	26 1.0236	2 0.0787	24.5 0.965	13.0 0.512	0.3 0.012	AXK1226	10.8 2430	32.3 7260	3.40	15000	0.004 0.009
				25.0 0.984	14.0 0.551	0.3 0.012	FNT-1226	9.92 2230	29.0 6520	2.75	15000	0.004 0.009
15	15 0.5906	28 1.1024	2 0.0787	27.0 1.063	17.0 0.669	0.3 0.012	AXK1528	11.1 2500	35.2 7910	3.35	15000	0.004 0.009
				27.0 1.063	17.0 0.669	0.3 0.012	FNT-1528	10.2 2290	31.3 7040	3.00	15000	0.004 0.009
17	17 0.6693	30 1.1811	2 0.0787	28.7 1.130	18.3 0.721	0.3 0.012	AXK1730TN	11.7 2630	38.7 8700	3.70	14000	0.004 0.009
				29.0 1.142	19.0 0.748	0.3 0.012	FNT-1730	10.8 2430	34.8 7820	3.35	14000	0.004 0.009
20	20 0.7874	35 1.3780	2 0.0787	34.0 1.339	22.0 0.866	0.3 0.012	AXK2035	12.8 2880	45.4 10200	4.40	12000	0.006 0.013
				34.0 1.339	22.0 0.866	0.3 0.012	FNTA-2035	13.8 3100	50.7 11400	4.80	12000	0.005 0.011
25	25 0.9843	42 1.6535	2 0.0787	41.0 1.614	29.0 1.142	0.6 0.024	AXK2542	14.3 3210	56.8 12800	5.50	10000	0.007 0.015
				41.0 1.614	27.0 1.063	0.6 0.024	FNT-2542	18.0 4050	75.3 16900	8.05	9700	0.008 0.018
30	30 1.1811	47 1.8504	2 0.0787	46.0 1.811	35.0 1.378	0.6 0.024	AXK3047	16.0 3600	68.1 15300	6.60	9000	0.009 0.020
				46.0 1.811	32.0 1.260	0.6 0.024	FNTA-3047	18.6 4180	82.4 18500	8.65	8900	0.009 0.020
35	35 1.3780	52 2.0472	2 0.0787	51.0 2.008	40.0 1.575	0.6 0.024	AXK3552	17.4 3910	79.5 17900	7.70	8100	0.010 0.022
				51.0 2.008	37.0 1.457	0.6 0.024	FNT-3552	21.7 4880	104.0 23400	11.1	7900	0.010 0.022



AS
(h₁ = 1.0)

LS

WS.811

GS.811

Washer Dimensions			Thin			Heavy (LS)				Heavy				
d	D, d ₁	D ₁	h ₁	Washer Designation	Approx. Wt.	h	a	Washer Designation	Approx. Wt.	h	r _s min	Washer Designation		Approx. Wt.
												Shaft Piloted	Housing Piloted	
mm in	mm in	mm in	mm in		kg lbs	mm in	mm in		kg lbs	mm in	mm in			kg lbs
6 0.2362	19 0.7480		1.00 0.0394	AS0619	0.001 0.002									
8 0.3150	21 0.8268		1.00 0.0394	AS0821	0.002 0.004	2.75 0.108	0.30 0.012	LS0821	0.004 0.009					
10 0.3937	24 0.9449		1.00 0.0394	AS1024	0.003 0.007	2.75 0.108	0.50 0.020	LS1024	0.008 0.018					
12 0.4724	26 1.0236		1.00 0.0394	AS1226	0.003 0.007	2.75 0.108	0.50 0.020	LS1226	0.009 0.020					
15 0.5906	28 1.1024	16 0.6299	1.00 0.0394	AS1528	0.003 0.007	2.75 0.108	0.50 0.020	LS1528	0.010 0.022	2.75 0.108	0.30 0.012	WS.81102	GS.81102	0.0100 0.0220
17 0.6693	30 1.1811	18 0.7087	1.00 0.0394	AS1730	0.003 0.007	2.75 0.108	0.50 0.020	LS1730	0.011 0.024	2.75 0.108	0.30 0.012	WS.81103	GS.81103	0.011 0.024
20 0.7874	35 1.3780	21 0.8268	1.00 0.0394	AS2035	0.005 0.011	2.75 0.108	0.50 0.020	LS2035	0.014 0.031	2.75 0.108	0.30 0.012	WS.81104	GS.81104	0.014 0.031
25 0.9843	42 1.6535	26 1.0236	1.00 0.0394	AS2542	0.007 0.015	3.00 0.118	1.00 0.039	LS2542	0.021 0.046	3.00 0.118	0.60 0.024	WS.81105	GS.81105	0.021 0.046
30 1.1811	47 1.8504	32 1.2596	1.00 0.0394	AS3047	0.008 0.018	3.00 0.118	1.00 0.039	LS3047	0.023 0.051	3.00 0.118	0.60 0.024	WS.81106	GS.81106	0.023 0.051
35 1.3780	52 2.0472	37 1.4567	1.00 0.0394	AS3552	0.009 0.020	3.50 0.138	1.00 0.039	LS3552	0.030 0.066	3.50 0.138	0.60 0.024	WS.81107	GS.81107	0.032 0.071

Continued on next page.