



NEEDLE ROLLER BEARINGS

NAO Series

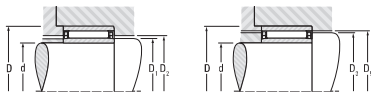


Fig. B4-10. Guidance in the housing (left) and on the shaft (right)

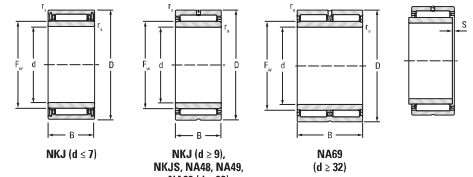
Table B4-5(2). Mounting dimensions for metric series needle roller bearings without flanges

Table with columns for Dimensions (d, D, B) and Bearing series NAO (Max, Min, Max, Min, Max, Min) for various bearing sizes.

Heavy-Duty Needle Roller Bearings

NEEDLE ROLLER BEARINGS WITH INNER RINGS

METRIC SERIES NKJ, NKJS, NA48, NA49, NA69



Large table with columns for Shaft Dia., d, D, B, Fw, ra, ms, g, Bearing Designation, Load Ratings (Dynamic, Static, C), Fatigue Load Limit (Ca), Speed Ratings (Grease, Oil), and Approx. Wt.

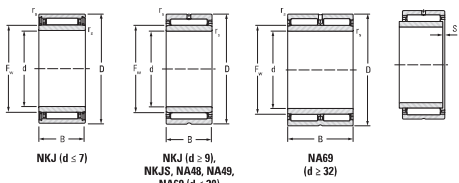
(1) Max. axial displacement

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NEEDLE ROLLER BEARINGS

NEEDLE ROLLER BEARINGS WITH INNER RINGS

METRIC SERIES
NKJ, NKJS, NA48
NA49, NA69 SERIES



Shaft Dia.	d	D	B	F _w	r _{s,max}	s ⁽¹⁾	Bearing Designation	Load Ratings		Fatigue Load Limit C _L	Speed Ratings		Approx. Wt.																	
								Dynamic C	Static C ₀		Grease	Oil																		
mm	mm	mm	mm	mm	mm	mm		kN	kN	kN	mm ¹	min ⁻¹	kg																	
in	in	in	in	in	in	in		lbf	lbf	lbf	in ¹	rpm	lb																	
45	1.7717	62	35	50	0.6	0.024	NKJ45/25A	55	117	18.2	5500	6000	0.345																	
														72	52	68	74.7	137	12.0	5400	8400	0.51								
																							80	60	80	109	10.0	4800	7200	0.62
50	1.9685	68	35	55	0.6	0.024	NKJ50/25A	61.1	97.3	13.9	5000	7800	0.288																	
														72	44	58	79.6	120	12.0	5000	7800	0.296								
																							80	52	68	100	10.0	4500	6300	0.345

⁽¹⁾ Max. axial displacement

Heavy-Duty Needle Roller Bearings

Shaft Dia.	d	D	B	F _w	r _{s,max}	s ⁽¹⁾	Bearing Designation	Load Ratings		Fatigue Load Limit C _L	Speed Ratings		Approx. Wt.																	
								Dynamic C	Static C ₀		Grease	Oil																		
mm	mm	mm	mm	mm	mm	mm		kN	kN	kN	mm ¹	min ⁻¹	kg																	
in	in	in	in	in	in	in		lbf	lbf	lbf	in ¹	rpm	lb																	
65	2.5591	90	35	50	0.6	0.024	NKJ65/25A	61.5	119	19.0	3800	5800	0.5																	
														72	52	68	74.7	137	12.0	5400	8400	0.51								
																							80	60	80	109	10.0	4800	7200	0.62
70	2.7559	95	35	50	0.6	0.024	NA69/25A	66.4	130	20.8	3400	5300	0.561																	
														72	52	68	74.7	137	12.0	5400	8400	0.51								
																							80	60	80	109	10.0	4800	7200	0.62

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