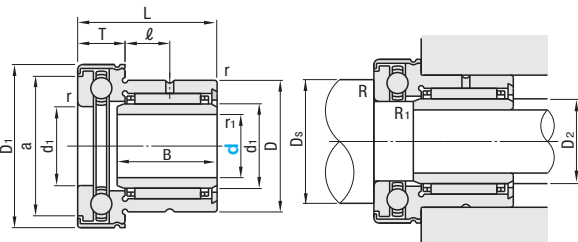


Needle Roller Bearings with Thrust Ball Bearings / Needle Roller Bearings with Thrust Roller Bearings
With Inner Ring

Needle Roller Bearings



NKXZ (With Thrust Ball Bearings)



The model number of this product is determined based on the inner diameter of the detachable inner ring. This may cause a disparity in the model number of the similar products by other companies. Please make sure to check the catalog dimensions when you place an order.

Features

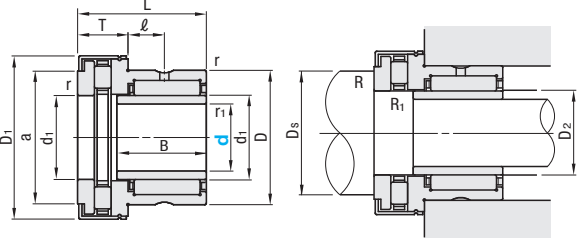
- Dust cover is provided on the thrust bearing side to prevent intrusion of dirt and lubricant leakage.
- With its ability to sustain radial and axial loads simultaneously, NKXZ is suitable for the compact design to use on fixed shaft ends. The NKXRZ has better performance against axial loads.

Recommended Fits

Shaft	Housing
k6	K6

Material: EN 1.3505 Equiv.
Accessory: Cover
Bearing Accuracy: JIS B 1514 Class 0 Compliant

NKXRZ (With Thrust Roller Bearings)



Part Number		D	B	L	T	r (min)	r1 (min)	d1	D1	ℓ	a	Radial		Axial		Allowable Rotational Speed rpm (Reference)	Relative Dimensions				Mass (g) (Reference)	Unit Price
Type	d											Basic Dynamic Load Rating CrkN	Basic Static Load Rating CokN	Basic Dynamic Load Rating CakN	Basic Static Load Rating CpakN		Ds (min)	D2 (min)	R (max)	R1 (max)		
NKXZ	7	19	16	23	9	0.3	0.3	10	25.2	6.5	19.7	6.2	7.8	10.0	14.0	7200	18	9	0.3	40.9		
	9	21						12	27.2		21.7	9	11	10.3	15.4	6600	20	11		46		
	12	24						15	29.2		23.7	10.7	12.7	10.5	16.8	5700	23	14		54.6		
	14	26						17	31.2		8.0	25.7	11.9	15	10.8	18.2	5100	25		16	64.5	
	17	30	20	11	0.6	20		36.2	10.5	30.7	16.4	23.8	14.3	24.7	4500	29	19	103.5				
	20	37				25		43.2	37.7	18.8	30.5	19.6	37.5	3600	35	22	159.5					
	25	42				30		48.2	9.5	42.7	22.6	36	20.4	42.0	3000	40	27	180.8				
	30	47				35		53.2	9.0	47.7	24.3	41.5	21.2	47.0	2700	45	32	207				
	35	52	32	13	0.6	40		61.2	10	55.7	26	47	27	63	2400	52	37	252.2				
	40	58				45		66.5	9	60.5	27.5	53	28	69	2100	57	42	315.8				
	45	62				50		71.5	10	65.5	38	74	29	75	1900	62	48	370.8				
	50	72				60		86.5	12	80.5	42	90	41.5	113	1600	75	55	542				

kgf=Nx0.101972

Part Number		D	B	L	T	r (min)	r1 (min)	d1	D1	ℓ	a	Radial		Axial		Allowable Rotational Speed rpm (Reference)	Relative Dimensions				Mass (g) (Reference)	Unit Price
Type	d											Basic Dynamic Load Rating CrkN	Basic Static Load Rating CokN	Basic Dynamic Load Rating CakN	Basic Static Load Rating CpakN		Ds (min)	D2 (min)	R (max)	R1 (max)		
NKXRZ	12	24	16	23	9	0.3	0.3	15	29.2	6.5	23.7	10.7	12.7	14.4	28.5	7800	25	14	0.3	0.3	52.6	
	14	26	17	25	17			31.2	8	25.7	11.9	15	15.9	33.5	7200	27	16	62.5				
	17	30	20	30	10			20	36.2	10.5	30.7	16.4	23.8	24.9	53	6000	32	19			97.5	
	20	37		11	0.6	25		43.2	9.5	37.7	18.8	30.5	33.5	76	5100	39	22	152.5				
	25	42				30		48.2		42.7	22.6	36	35.5	86	4500	44	27	173.8				
	30	47	35			53.2		9		47.7	24.3	41.5	39	101	3900	49	32	204				
	35	52	32	40	61.2	10		55.7	26	47	56	148	3600	56	37	258.2						
	40	58		45	66.5	9		60.6	27.5	53	59	163	3000	61	42	310.8						
	45	62		25	35	14		0.6	50	71.5	10	65.5	38	74	61	177	2800	66	48		0.6	358.8

kgf=Nx0.101972

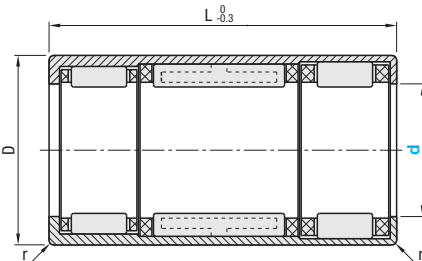
Ordering Example
Part Number
NKXZ20
NKXRZ17

One-Way Clutches

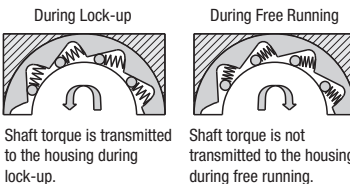
Features: Bearings are on both ends of the clutch to support radial loads.



BHFL



One-Way Clutch Structure



Recommended Fits

Shaft	Housing	
	Steel	Light Metal
h5(h6)	N6(N7)	R6(R7)

*When applied torque is smaller than half the allowable torque, tolerance in () can be applied.

Material: EN 1.0330 Equiv.

Note the mounting direction as the clutch will lock in one direction and free-spin in the other.

Part Number	Type	d	D	L	r (min)	Allowable Torque N·m	Allowable Rotational Speed		Mass (g)	Unit Price
							During Shaft Rotation rpm	During Outer Race Rotation rpm		
BHFL	6	10	15	22	0.3	1.76	23000	13000	4	
	8	12	22	26	0.3	3.15	17000	12000	7	
	10	14	26	30	0.3	5.3	14000	11000	8	
	12	18	30	35	0.3	12.2	11000	8000	18	
	14	20	35	40	0.3	17.3	9500	8000	20	
	16	22	40	45	0.3	20.5	8500	7500	22	
	18	24	45	50	0.3	24.1	7500	7500	25	
	20	26	50	55	0.3	28.5	7000	6500	27	
	25	32	60	65	0.3	66	5500	5500	44	
	30	37	70	75	0.3	90	4500	4500	51	
	35	42	80	85	0.3	121	3900	3900	58	

kgf=Nx0.101972

Ordering Example
Part Number
BHFL10

Example

