



SCB-KH Series

↘ No Gear

Introduction

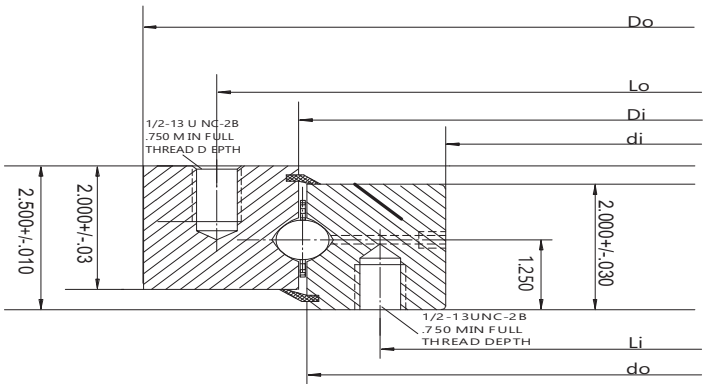
SCB-KH bearings have rectangular cross section rings.
OD size range :16"-37"
Ideal for precise positioning.

Construction

- Internal preload
- Axial runout .001
- Radial runout .002
- 4 point contact
- Ball separator
- AGMA 8 class (Contact SoCare® if you need higher precision ,AGMA8-AGMA11 even AGMA14 could be available for SoCare® which is subject to the bearing size.)
- Sealed
- Ring Configuration:
 - Non geared
 - External gear
 - Internal gear(upon request)
- Grease fittings for lubrication

Applications

- Indexing table
- Radar
- Robotics
- Medical
- Satellite



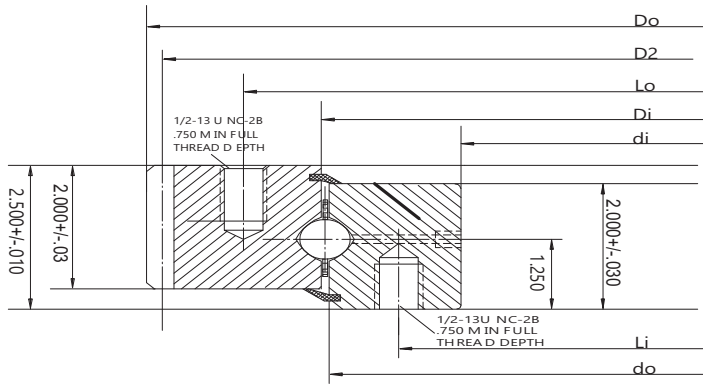
SOCARE® No.	KAYDON® No.	OUTLINE DIMENSIONS AND WEIGHT(IN)					MOUNTING HOLES			
		Do	di	Di	do	G(LBS) Approx.	OUTER RING		INNER RING	
SCB-KH419P	KH-125P	16.500	8.625	12.750	12.250	80	Lo	no	Li	ni
SCB-KH520P	KH-166P	20.500	12.750	16.875	16.375	105	14.750	16	10.250	16
SCB-KH678P	KH-225P	26.700	18.500	22.750	22.250	150	18.875	20	14.375	20
SCB-KH805P	KH-275P	31.700	23.500	27.750	27.250	185	24.500	18	20.500	18
SCB-KH932P	KH-325P	36.700	28.500	32.750	32.250	220	29.500	24	25.500	24
Tolerances		±.050	±.050				±.030		±.030	

*Note:
Di/ do= +0/- .002 tolerance for SCB-KH419P through SCB-KH678P.
Di/do= +0/- .003 tolerance for SCB-KH805P through SCB-KH932P.

Contact SoCare® about custom features, configurations and construction.
(mounting holes, materials, coating, internal clearance)



External Gear



SOCARE® No.	KAYDON® No.	OUTLINE DIMENSIONS(IN) AND WEIGHT(LBS)					Moment Rating Crm (ft-lbs)
		Do	di	Di	do	G(LBS) Approx.	
SCB-KH419E	KH-125E	16.500	8.625	12.750	12.250	75	50,500
SCB-KH520E	KH-166E	20.500	12.750	16.875	16.375	100	72,700
SCB-KH678E	KH-225E	26.667	18.500	22.750	22.250	140	91,800
SCB-KH805E	KH-275E	31.667	23.500	27.750	27.250	175	111,900
SCB-KH932E	KH-325E	36.667	28.500	32.750	32.250	205	128,000
Tolerances		±.020	±.050				

SOCARE® No.	KAYDON® No.	MOUNTING HOLES				Gear Data				
		OUTER RING		INNER RING		INV.STUB,α=20°,AGMA Q8				
		Lo	no	Li	ni	D2 (in)	Pd (in)	Z2	b2	Fz (lbs)
SCB-KH419E	KH-125E	14.750	16	10.250	16	16.167	6	97	2.000	5,480
SCB-KH520E	KH-166E	18.875	20	14.375	20	20.167	6	121	2.000	5,570
SCB-KH678E	KH-225E	24.500	18	20.500	18	26.333	6	158	2.000	5,670
SCB-KH805E	KH-275E	29.500	24	25.500	24	31.333	6	188	2.000	5,700
SCB-KH932E	KH-325E	34.500	28	30.500	28	36.333	6	218	2.000	5,730
Tolerances		ϕ .030		ϕ .030					±.030	

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Satellite antennas

