

NEEDLE ROLLER BEARINGS



FOR 1/8 TO 1 INCH HARDENED SHAFTS
EXTREMELY HIGH-SPEED
HIGH LOAD CAPACITY

PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDP-SI.COM

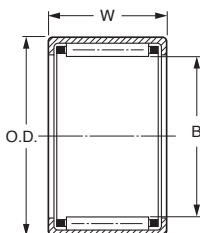


> MATERIAL:

- Roller Cup** - Case-Hardened Steel
- Needle Bearing** - 52100 Hardened Chrome Steel
- Bearing Cage** - Low Carbon Steel

> FEATURES:

- Low profile, lightweight caged.
- Caged needle bearings offer up to 3 times the speed of uncaged designs.
- Extremely low rolling friction.
- High lubrication capacity.
- Low sensitivity to misalignment.
- Needles have high length to diameter ratios.



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INCH COMPONENT

Catalog Number	B Bore	O.D.	Housing ^Δ Bore Dia.	W +.000 -.010	Max.* Speed rpm	Load Rating lbf		Shaft [§] Diameter	Inner Race Available See Series S99RH2-...
						Dynamic	Static		
S99NH2-BN0408	1/8	.2500	.2505/ .2500	.250	48000	240	165	.1250/.1247	
S99NH2-BN0608	3/16	.3438	.3437/ .3432	.375	40000	400	305	.1875/.1872	
S99NH2-BN0612						620	530		
S99NH2-BN0808	1/4	.4375	.4380/ .4370	.438	35000	360	260	.2500/.2495	
S99NH2-BN0814						920	870		
S99NH2-BN1010	5/16	.5000	.5005/ .4995	.562	29000	650	590	.3125/.3120	
S99NH2-BN1018						1340	1480		
S99NH2-BN1210	3/8	.5625	.5630/ .5620	.625	25000	650	610	.3750/.3745	
S99NH2-BN1220						1660	2040		
S99NH2-BN1610	1/2	.6875	.6880/ .6870	.750	19000	820	890	.5000/.4995	
S99NH2-BN1612						1040	1210		
S99NH2-BN1624	5/8	.8125	.8130/ .8120	.838	16000	2230	3200	.6250/.6245	
S99NH2-BN2014						1480	2100		
S99NH2-BN2024	3/4	1.0000	1.0005/ .9995	.500	13000	2700	4450	.7500/.7495	S99RH2-BNR1220A
S99NH2-BN2412						1600	1860		—
S99NH2-BN2416	1	1.2500	1.2505/1.2495	1.000	10000	2210	2800	.7500/.7495	S99RH2-BNR1624
S99NH2-BN2424						3450	5000		S99RH2-BNR1624A
S99NH2-BN3216	1	1.2500	1.2505/1.2495	1.000	10000	2850	4300	1.0000/.9995	S99RH2-BNR2432
S99NH2-BN3232						5600	10200		S99RH2-BNR2432A

§ Shaft surface hardness must be Rc 58 minimum; or use inner race over softer shaft, where available.

Δ For ferrous materials.

* Represents speed values of bearings lubricated with oil. With grease lubricant, 60% of given values are permissible. Standard bearings are oiled or greased, at SI option, with general purpose lubricants. Other lubricants are available on special order.

05-80
D810

REV:
2/27/23