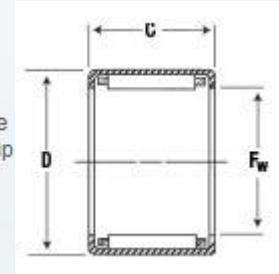




Caged bearings utilize fewer rollers which reduces friction, and can therefore handle higher speeds. Specially designed cages guide the rollers at their ends, which decreases friction. Guiding at the end of the rollers also prevents skewing and maximizes roller stability. Caged needle bearings are offered with either a plastic or metal cage. Metal cages are ideal for maximum strength and life requirements. Reinforced plastic is an option when operating conditions permit.

Full Complement needle rollers are ideal for lower speeds and higher loads. Because these bearings utilize more rollers, higher loads are attainable. The lip of the drawn cup outer ring is turned in which mechanically retains the rollers while in motion. These outer rings are then filled with as many rollers as possible. Roller alignment is maintained even with repeated removal of the shaft.



DRAWN CUP NEEDLE ROLLER BEARING													
F _w		D		C		Torrington				INA		IKO	
inch	metric	inch	metric	inch	metric	caged open end J	caged closed end MJ	open end full comp.	closed end full comp.	caged open end SCE	caged closed end BCE	caged open end BA_ZOH	caged closed end BAM
0.125	3.175	0.250	6.350	0.250	6.350			B-24					
0.156	3.970	0.281	7.142	0.250	6.350			B-2-1/2-4		SCE-2-1/2-4			
0.156	3.970	0.281	7.142	0.312	7.920			B-2-1/2-5					
0.188	4.763	0.344	8.733	0.250	6.350			B-34	M-341				
0.188	4.763	0.344	8.733	0.375	9.530			B-36	M-361				
0.250	6.350	0.437	11.112	0.250	6.350	JP-44-F		B-44	M-441	SCE 44	BCE 44	BA 44 ZOH	
0.250	6.350	0.437	11.112	0.312	7.920	J-45	MJ-451	B-45	M-451	SCE 45	BCE 45	BA 45 ZOH	BAM 45
0.250	6.350	0.438	11.113	0.375	9.525			B-46					
0.250	6.350	0.437	11.112	0.438	11.130	J-47	MJ-471	B-47	M-471	SCE 47	BCE 47	BA 47 ZOH	BAM 47
0.313	7.938	0.500	12.700	0.312	7.920	J-55	MJ-551	B-55	M-551	SCE 55	BCE 55	BA 55 ZOH	BAM 55
0.313	7.938	0.500	12.700	0.375	9.520			B-56				BA 56 ZOH	BAM 56
0.313	7.938	0.500	12.700	0.438	11.130	J-57	MJ-571	B-57	M-571	SCE 57	BCE 57	BA 57 ZOH	BAM 57
0.313	7.938	0.500	12.700	0.562	14.270			B-59		SCE 59	BCE 59	BA 59 ZOH	BAM 59
0.313	7.938	0.563	14.288	0.438	11.125			BH-57	MH-571				
0.313	7.938	0.563	14.288	0.562	14.275			BH-59					
0.375	9.525	0.563	14.288	0.312	7.920	J-65	MJ-651	B-65	M-651	SCE 65	BCE 65	BA 65 ZOH	BAM 65
0.375	9.525	0.563	14.288	0.375	9.520	J-66	MJ-661	B-66	M-661	SCE 66	BCE 66	BA 66 ZOH	BAM 66
0.375	9.525	0.563	14.288	0.438	11.125			B-67					
0.375	9.525	0.563	14.288	0.500	12.700	J-68	MJ-681	B-68	M-681	SCE 68	BCE 68	BA 68 ZOH	BAM 68