



One Piece Retainer

Two Piece Retainer

Tapered Bore

BEARING No	PRINCIPAL DIMANSIONS (mm)				BASIC LOAD (lbf)		SPEED LIMIT RPM	
	d	D	B	r	DYNAMIC	STATIC	GREASE	OIL
22308	40	90	33	1.5	25900	27400	6000	8000
22309	45	100	36	1.5	31000	36000	5300	7000
22310	50	110	40	2.0	39600	45000	4800	6300
22311	55	120	43	2.0	44700	52200	4300	5600
22312	60	130	46	2.1	52800	63000	4000	5300
22313	65	140	48	2.1	56900	67400	3800	6000
22314	70	150	51	2.1	69900	85400	3400	4500
22315	75	160	55	2.1	77600	96700	3200	4300
22316	80	170	58	2.1	84100	102000	3000	4000
22317	85	180	60	3.0	94400	117000	2800	3800
22318	90	190	64	3.0	107000	137000	2600	3800
22319	95	200	67	3.0	117000	151000	2600	3400
22320	100	215	73	3.0	137000	180000	2400	3000
22322	110	240	80	3.0	160000	210000	2000	2800
22324	120	260	86	3.0	190000	250000	2000	2600
22326	130	280	93	4.0	220000	290000	1800	2400
22328	140	300	102	4.0	250000	350000	1700	2200
22330	150	320	108	4.0	280000	390000	1800	2000
22332	160	340	114	4.0	310000	440000	1500	1900
22334	170	360	120	4.0	340000	466000	1400	1800
22336	180	380	126	4.0	380000	532000	1300	1700
22338	190	400	132	5.0	415000	579000	1200	1800

Suffix Numbering Systems:

Internal Structure and Retainer Types:

- CC = Symmetrical Rollers, Stamped Steel Retainer
- CA = Symmetrical Reinforced Roller, one-piece brass retainer
- E = Reinforced structure; Extra Life Quality.
- MB = Symmetrical reinforced Roller, Two piece Brass Retainers.

Outer Structures:

- W20 = With Three Lubricating Holes on Outer Race
- W33 = Lubricating Groove and Three Lubricating Holes on Outer Race.
- K = Tapered in Bore, Inner Race is Tapered.

Internal Clearances:

- C0 = Normal Internal Clearance (Standard will not indicate)
- C2 = Less than Normal Clearance, Tight.
- C3 = Larger Clearance than C0, Loose.
- C4 = Larger Clearance then C3, Extra Loose.

Working Temperatures:

- /S0 = Working Temp up to 150° C (standard will not indicate)
- /S1 = Working Temp up to 200° C
- /S2 = Working Temp up to 250° C
- /S3 = Working Temp up to 300° C
- /S4 = Working Temp up to 350° C

Material: SAE-52100 Chrome Steel