

Current Solutions In Electric Machinery

Rolling bearings with ceramic coatings or ceramic balls provide insulation against the passage of electrical current and prevent raceway damage leading to bearing failure – one of many advantages offered by Schaeffler Group with INA and FAG products for electric machinery.

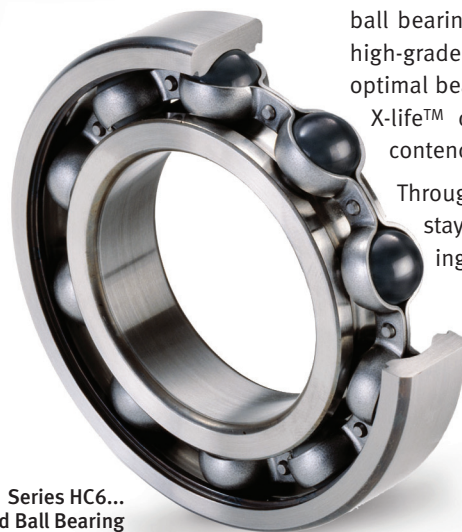
Schaeffler innovations in surface finishes have resulted in ball bearings that exhibit extremely low noise. Tested, high-grade Arcanol electric motor grease facilitates optimal bearing operation and lifetime, while Schaeffler X-life™ cylindrical roller bearings are designed to contend with increasingly high loads.

Through continuous product innovation, Schaeffler stays current and sets the standard for rolling bearing solutions in electric motors and machinery.

Together we move the world

SCHAEFFLER GROUP
INDUSTRIAL

Series HC6...
Ceramic Hybrid Ball Bearing



Industry Supported Inventory

USA Produced Current Insulated & Ceramic Hybrid Bearings

Part Number	d mm	D mm	B mm	D ₁ mm	d ₁ mm	d _a max mm	d _a min mm	r _a max mm	r _{min} mm	m Mass kg	C _r dyn. load rating N	C _{0r} Stat Load rating N	nG 1/min	nB 1/min	Cur Fatigue Limit Load N
6217.C3.J20AA	85	150	28	129.7	106.6	139	96	2	2	1.87	83000	64000	10000	5300	4050
6218.C3.J20AA	90	160	30	139.7	112.6	149	101	2	2	2.21	96500	72000	9000	5100	4200
6222.C3.J20AA	110	200	38	171.6	138.5	188	122	2.1	2.1	4.64	143000	116000	7000	4500	6300
6311.C3.J20AA	55	120	29	100.9	75.5	109	66	2	2	1.39	76500	47500	13000	7100	3050
6312.C3.J20AA	60	130	31	108.4	81.6	118	72	2.1	2.1	1.75	81500	52000	12000	6700	3400
6313.C3.J20AA	65	140	33	117.5	88.6	128	77	2.1	2.1	2.14	93000	60000	11000	6400	3950
6314.C3.J20AA	70	150	35	126.3	95.1	138	82	2.1	2.1	2.55	104000	68000	10000	6100	4450
6315.C3.J20AA	75	160	37	133.2	101.8	148	87	2.1	2.1	2.18	114000	76500	9500	5800	4650
6316.C3.J20AA	80	170	39	141.8	108.6	158	92	2.1	2.1	3.75	122000	86500	9000	5500	5200
6317.C3.J20AA	85	180	41	151.6	114.4	166	99	2.5	3	4.25	132000	96500	8000	5300	5800
6318.C3.J20AA	90	190	43	157.1	123.8	176	104	2.5	3	5.43	134000	102000	8000	5100	5800
6319.C3.J20AA	95	200	45	166.9	129.1	186	109	2.5	3	6.23	146000	114000	7500	4950	6400
6320.C3.J20AA	100	215	47	179	138.6	201	114	2.5	3	7.67	163000	134000	7000	4600	7400
6322.C3.J20AA	110	240	50	197.4	153.4	226	124	2.5	3	10.3	190000	166000	6300	4150	8600
6324.C3.J20AA	120	260	55	214.9	165.1	246	134	2.5	3	12.8	212000	190000	6000	3850	9000
6326-M.C4.J20A	130	280	58	231.2	178.9	263	147	3	4	18.3	228000	216000	5600	3500	9800
6326-M.C5.J20A	130	280	58	231.2	178.9	263	147	3	4	18.3	228000	216000	5600	3500	9800
6326.C3.J20AA	130	280	58	231.2	178.9	263	147	3	4	16	228000	216000	5600	3500	9800
HC6322.C3	110	240	50	197.4	153.4	226	124	2.5	3	9.3	189000	116000	6300	4150	6100
HC6326M.C3	130	280	58	231.2	178.9	263	147	3	4	16.6	228000	150000	5800	3500	6900
HC6330M.C3	150	320	65	167	205.6	303	167	3	4	24	280000	204000	4800	3000	9300

J20A/J20AA suffix designates outer ring is ceramic coated
M suffix designates machined brass cage (steel standard)
HC prefix designates ceramic balls/steel rings

Coatings - Range of Sizes	J20A	J20AA
Voltage	1000 VDC	1000VDC
Environment	dry	dry / damp
Thickness	>200 μm	=200 μm
	70...1400mm outside diameter	70...500mm outside diameter

For Further Details
Contact Your Local Schaeffler Representative
Or Contact Customer Service 800-243-7512