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# ELECTRIC MOTOR SHAFT AND HOUSING FITS

## 6200 SERIES SHAFT AND HOUSING RECOMMENDED FITTING

Bearing Part Number	Bearing Bore (mm)	Fit	Shaft Diameter (inches)		Outer Diameter (mm)	Fit	Housing Bore (inches)	
			Minimum	Maximum			Minimum	Maximum
6200	10	j5	0.3936	0.3939	30	H6	1.1811	1.1816
6201	12	j5	0.4723	0.4726	32	H6	1.2598	1.2605
6202	15	j5	0.5904	0.5907	35	H6	1.3780	1.3786
6203	17	j5	0.6692	0.6695	40	H6	1.5748	1.5754
6204	20	k5	0.7875	0.7878	47	H6	1.8504	1.8510
6205	25	k5	0.9843	0.9847	52	H6	2.0472	2.0480
6206	30	k5	1.1812	1.1815	62	H6	2.4409	2.4417
6207	35	k5	1.3780	1.3785	72	H6	2.8346	2.8354
6208	40	k5	1.5749	1.5753	80	H6	3.1496	3.1504
6209	45	k5	1.7717	1.7722	85	H6	3.3465	3.3473
6210	50	k5	1.9686	1.9690	90	H6	3.5433	3.5442
6211	55	k5	2.1654	2.1659	100	H6	3.9370	3.9379
6212	60	k5	2.3623	2.3628	110	H6	4.3307	4.3316
6213	65	k5	2.5591	2.5596	120	H6	4.7244	4.7253
6214	70	k5	2.7560	2.7565	125	H6	4.9213	4.9222
6215	75	k5	2.9528	2.9533	130	H6	5.1181	5.1191
6216	80	k5	3.1497	3.1502	140	H6	5.5118	5.5128
6217	85	k5	3.3466	3.3472	150	H6	5.9055	5.9065
6218	90	k5	3.5434	3.5440	160	H6	6.2992	6.3002
6219	95	k5	3.7403	3.7409	170	H6	6.6929	6.6939
6220	100	k5	3.9371	3.9377	180	H6	7.0866	7.0876
6221	105	m5	4.1344	4.1350	190	H6	7.4803	7.4815
6222	110	m5	4.3312	4.3318	200	H6	7.8740	7.8752
6224	120	m5	4.7249	4.7255	215	H6	8.4646	8.4657
6226	130	m5	5.1187	5.1194	230	H6	9.0551	9.0563
6228	140	m5	5.5124	5.5131	250	H6	9.8425	9.8437
6230	150	m5	5.9061	5.9068	270	H6	10.6299	10.6312
6232	160	m5	6.2998	6.3005	290	H6	11.4173	11.4186
6234	170	m6	6.6935	6.6945	310	H6	12.2047	12.2060
6236	180	m6	7.0872	7.0882	320	H6	12.5984	12.5998
6238	190	m6	7.4810	7.4821	340	H6	13.3858	13.3872
6240	200	m6	7.8747	7.8758	360	H6	14.1732	14.1746
6244	220	n6	8.6626	8.6638	400	H6	15.7480	15.7494

## 6300 SERIES SHAFT AND HOUSING RECOMMENDED FITTING

Bearing Part Number	Bearing Bore (mm)	Fit	Shaft Diameter (inches)		Outer Diameter (mm)	Fit	Housing Bore (inches)	
			Minimum	Maximum			Minimum	Maximum
6300	10	j5	0.3936	0.3939	35	H6	1.3780	1.3786
6301	12	j5	0.4723	0.4726	37	H6	1.4567	1.4573
6302	15	j5	0.5904	0.5907	42	H6	1.6535	1.6542
6303	17	j5	0.6692	0.6695	47	H6	1.8504	1.8510
6304	20	k5	0.7875	0.7878	52	H6	2.0472	2.0480
6305	25	k5	0.9843	0.9847	62	H6	2.4409	2.4417
6306	30	k5	1.1812	1.1815	72	H6	2.8346	2.8354
6307	35	k5	1.3780	1.3785	80	H6	3.1496	3.1504
6308	40	k5	1.5749	1.5753	90	H6	3.5433	3.5442
6309	45	k5	1.7717	1.7722	100	H6	3.9370	3.9379
6310	50	k5	1.9686	1.9690	110	H6	4.3307	4.3316
6311	55	k5	2.1654	2.1659	120	H6	4.7244	4.7253
6312	60	k5	2.3623	2.3628	130	H6	5.1181	5.1191
6313	65	k5	2.5591	2.5596	140	H6	5.5118	5.5128
6314	70	k5	2.7560	2.7565	150	H6	5.9055	5.9065
6315	75	k5	2.9528	2.9533	160	H6	6.2992	6.3002
6316	80	k5	3.1497	3.1502	170	H6	6.6929	6.6939
6317	85	k5	3.3466	3.3472	180	H6	7.0866	7.0876
6318	90	k5	3.5434	3.5440	190	H6	7.4803	7.4815
6319	95	k5	3.7403	3.7409	200	H6	7.8740	7.8752
6320	100	k5	3.9371	3.9377	215	H6	8.4646	8.4657
6321	105	m5	4.1344	4.1350	225	H6	8.8583	8.8594
6322	110	m5	4.3312	4.3318	240	H6	9.4488	9.4500
6324	120	m5	4.7249	4.7255	260	H6	10.2362	10.2375
6326	130	m5	5.1187	5.1194	280	H6	11.0236	11.0249
6328	140	m5	5.5124	5.5131	300	H6	11.8110	11.8123
6330	150	m5	5.9061	5.9068	320	H6	12.5984	12.5998
6332	160	m5	6.2998	6.3005	340	H6	13.3858	13.3872
6334	170	m6	6.6935	6.6945	360	H6	14.1732	14.1746
6336	180	m6	7.0872	7.0882	380	H6	14.9606	14.9620
6338	190	m6	7.4810	7.4821	400	H6	15.7480	15.7494
6340	200	m6	7.8747	7.8758	420	H6	16.5354	16.5370
6344	220	n6	8.6626	8.6638	460	H6	18.1102	18.1118

Above figures are based on bearings with “C3” internal clearance.

Always confirm that bearing internal clearance is correct before repairing or modifying shaft and housing dimensions.

Although care has been taken in producing this information Midpoint Bearing will not be liable for any errors or omissions.