

PART NUMBERING



GROUP 9	GROUP 10	GROUP 11	GROUP 12	GROUP 13	GROUP 14
ABEC TOLERANCE	DIMENSIONAL CODING	RADIAL PLAY	TORQUE	LUBRICANT	PACKAGING
A5 A7	CXX	P25 P13		L02 LG49	P U
<p>A1=ABEC 1*</p> <p>A3=ABEC 3, 3P</p> <p>A5=ABEC 5, 5P, 5T</p> <p>A7=ABEC 7, 7P, 7T</p> <p>A9=ABEC 9, 9P</p> <p>Note: Selected ABEC 9 tolerances are available on all sizes. Please consult factory.</p> <p>*A1 miniature and instrument bearings of both the metric and inch configurations meet the tolerances of ABMA Standard 20 for ABEC 1 metric series bearings.</p>	<p>CXX=I.D. and O.D. calibration in .0001 increments</p> <p>CX0=O.D. coding only, .0001 increments</p> <p>CXO=I.D. coding only, .0001 increments</p> <p>C44=I.D. and O.D. calibration in .000050 increments</p> <p>C04=O.D. coding only, .000050 increments</p> <p>C40=I.D. coding only, .000050 increments</p>	<p>P= Followed by two, three, or four numbers indicates the radial play limits in ten thousandths of an inch. Example: P25 indicates radial play of .0002" to .0005".</p> <p>PC__ = Nominal contact angle in degrees</p> <p>PA__ = Nominal axial play</p> <p>Example: PA015 indicates axial play of .0015</p>	<p>T= Followed by a number indicates maximum starting torque in hundreds of mg. mm. Example: T15 indicates a maximum starting torque of 1500 mg. mm.</p> <p>RT= Followed by a number indicates maximum running torque in hundreds of mg. mm. Example: RT15 indicates a maximum running torque of 1500 mg. mm.</p>	<p>Lubricant letter codes are followed by a number to indicate specific type.</p> <p>BC=Following lubricant code indicates barrier coating</p> <p>LB=Mixture of oil and solvent</p> <p>LD=Dry--no lubrication</p> <p>LF=Dry film</p> <p>LG=Greases</p> <p>LM=Mixture of oil and grease</p> <p>LO=Oils</p> <p>LY=Expanded list of oils and greases</p> <p>Grease Plate Code (follows lubricant code)</p> <p>GPL=light</p> <p>GPM=medium</p> <p>GPH=heavy</p>	<p>No Code=Plastic sealed vial</p> <p>B=Individual boxes</p> <p>E=Individual pack per MIL-B-22191</p> <p>K=Kraft foil package</p> <p>KB=Kraft bag and box</p> <p>P=Pill pack</p> <p>PB=Pill pack and box</p> <p>U=Unit pack</p> <p>UB=Unit pack and box</p>

IMPORTANT NOTE:

The NHBB numbering system identifies ball bearing size and design. This system is not a guide to create a customized ball bearing. Please use the numbering system to decipher the basic bearing numbers listed in this catalog, or to define a number given to you by a representative of NHBB. Please consult a member of the NHBB sales or engineering staff to help you design a new bearing or to interchange another manufacturer's part number.