

MOTION & CONTROL™

NSK



**ROLLING
BEARINGS**
for
**INDUSTRIAL
MACHINERY**

Part A

1.TYPES AND FEATURES OF ROLLING BEARINGS

2.SELECTION OF BEARING TYPE

3.SELECTION OF BEARING ARRANGEMENT

4.SELECTION OF BEARING SIZE

5.SPEEDS

6.BOUNDARY DIMENSIONS AND BEARING DESIGNATIONS

7.BEARING TOLERANCES

8.FITS AND INTERNAL CLEARANCES

9.PRELOAD

10.FRICTION

11.LUBRICATION

12.BEARING MATERIALS

13.DESIGN OF SHAFTS AND HOUSINGS

Part B

1.BEARING HANDLING

2.BEARING DAMAGE AND COUNTERMEASURES (Bearing Doctor)

Part C

1.DEEP GROOVE BALL BEARINGS

2.EXTRA SMALL BALL BEARINGS AND MINIATURE BALL BEARINGS

3.ANGULAR CONTACT BALL BEARINGS

4.SELF-ALIGNING BALL BEARINGS

5.CYLINDRICAL ROLLER BEARINGS

6.TAPERED ROLLER BEARINGS

7.SPHERICAL ROLLER BEARINGS

8.THRUST BEARINGS

9.NEEDLE ROLLER BEARINGS BALL BEARING UNITS / PLUMMER BLOCKS

10.ACCESSORIES FOR ROLLING BEARINGS

Part D

INDUSTRY SOLUTIONS

Part E

APPENDICES

