

ERRATA

ANSI/ABMA 7-1995

March 2026

The following corrections will be included in the next edition of ANSI/ABMA 7-1995, *Shaft and Housing Fits for Metric Radial Ball and Roller Bearings (Except Tapered Roller Bearings) Conforming to Basic Boundary Plan*.

The changes, discovered after publication, have been reviewed and approved by the Chairperson of the MPMA Bearing Technical Committee.

In Table 1, Part I on page 8 of ANSI/ABMA 7-1995, two numbers are incorrect.

See the highlighted mistakes and red text corrections below:

TABLE 1
SELECTION OF SHAFT TOLERANCE CLASSIFICATIONS
FOR METRIC RADIAL BALL AND ROLLER BEARINGS
OF TOLERANCE CLASSES ABEC-1, RBEC-1

DESIGN & OPERATING CONDITIONS			BALL BEARINGS			CYLINDRICAL ROLLER BEARINGS			SPHERICAL ROLLER BEARINGS		
Rotational Conditions	Inner Ring Axial Displaceability	Radial Loading	d		Tolerance Classification (1)	d		Tolerance Classification (1)	d		Tolerance Classification (1)
			Over	Incl.		Over	Incl.		Over	Incl.	
Inner Ring Rotating in relation to Load Direction or Load Direction is Indeterminate		Light	0	18	h5 j6 (2)	0	40	j6(2) k6(2) m6(2)	0	40	j6(2) k6(2) m6(2)
			18	All		400	140		40	100	
						140	320		100	320	
		Normal	0	18	j5 k5	0	40	k5 m5 m6 n6 p6 r6	0	40	k5 m5 m6 n6 p6 r7
			18	All		400	100		40	65	
						100	140		65	100	
Heavy	18	100	k5 m5	0	40	m5 m6 n6 p6 r6 r7	0	40	m5 m6 n6 p6 r6 r7		
	100	All		40	65		40	65			
				65	140		65	100			
Inner Ring Stationary in Relation to Load Direction	Inner Ring must be easily axially displaceable	Light	All Sizes	g6	All Sizes	g6	All Sizes	g6	All Sizes	g6	
		Normal									
		Heavy									
	Inner Ring need not be easily axially displaceable	Light	All sizes	h6	All Sizes	h6	All Sizes	h6	All Sizes	h6	
		Normal									
		Heavy									
Pure Thrust (Axial) Load			All Sizes	j6	Consult Bearing Manufacturer						

(1) Tolerance Classifications shown are for solid steel shaft.. Numerical values are listed in Table 2.

For hollow or nonferrous shafts, tighter fits may be needed.

(2) If greater accuracy is needed, substitute j5, k5 and m5 for j6, k6, and m6 respectively.