

Table XXIII Inner Race/Shaft Fitting Practices, Ball & Roller Bearings
Applies to ISO Normal & ABEC-1/RBEC-1 Tolerances, Solid Steel Shafts.

OPERATING CONDITION	LOADING RATIO	EXAMPLES	BEARING BORE	BALL & ANGULAR CONTACT BEARINGS CLASS FIT*	CYLINDRICAL ROLLER BEARINGS CLASS FIT*	SPHERICAL ROLLER BEARINGS CLASS FIT*
Outer Race Rotation	All	Wheel on Dead Shaft, Sheave	All (mm)	g6	g6	g6
Inner Race	15 < C/P	Fans, Pumps	75 - 140 140 - 320 320 - 500 500 - Up	j6	k6 m6 n6 p6	k6 m6 n6 p6
	7 < C/P < 15	Pinion Shaft, Presses, Motors	75 - 140 140 - 320 320 - 500 500 - Up	k6	m6 n6 p6 r6	n6 p6 r6 r7
Rotation	3 < C/P < 7	Output Shafts	75 - 140 140 - 320 320 - 500 500 - Up	m6	n6 p6 r6 r7	n6 p6 r6 r7
	1 < C/P < 3	Rolling Mills, U-Joints	75 - 200 200 - Up	- -	s6 s7	s6 s7

* All fits based on Metric dimensioned bearings. For Inch dimensions, pick the closest Metric value.