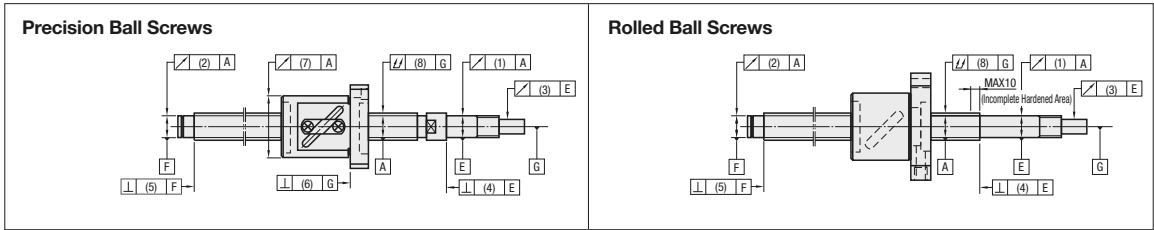


# Mounting Interface Accuracies

## Mounting Interface Accuracies

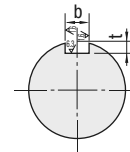


Unit: mm (1), (2) Radial Run-out of the thread surface against the shaft support axis.

Part Number		(1) (2)	(3)	(4) (5)	(6)	(7)	
Type	Screw Shaft O.D.	Run-out Tolerance (Max.)	Run-out Tolerance (Max.)	Perpendicularity Tolerance (Max.)	Perpendicularity Tolerance (Max.)	Run-out Tolerance (Max.)	
BSX	6	0.008	0.008	0.004	0.008	0.008	
	8					0.010	
	10						
	12						
	15	0.009	0.009			0.012	
BSS C-BSS	8	0.011	0.011	0.005	0.010	0.012	
	10						
	12						
	15					0.015	
	20					0.019	
	25	0.013	0.013		0.013	0.019	
BSSE BSST	8	0.014	0.014	0.007	0.014	0.020	
	10						
	12						
	15					0.018	
	20					0.030	
	25	0.020	0.020		0.018	0.030	
BSSR BSSZ BSSC C-BSSC	8	0.040	0.040	0.010	-	-	
	10						
	12						
	14						
	15						
	20						
	25						0.060
	28						0.060
	32	0.060	0.060	0.010	-	-	
BSBR	15	0.040	0.040	0.010	-	-	
	20	0.040	0.040	0.010	-	-	
	25	0.060	0.060	0.010	-	-	

- (3) Radial run-out of drive component interface surface in relation to screw shaft support axis.
- (4), (5) Perpendicularity of shaft's bearing shoulders in relation to screw shaft support axis.
- (6) Perpendicularity of ball nut mounting flange surface (datum) in relation to screw shaft axis.
- (7) Radial run-out of ball nut body outer circumference in relation to screw shaft axis.
- (8) Shaft's total radial run-outs.

### Keyway Dimension Details Located at P on Fixed Side Shaft End



Shaft Dia.	Reference Dim.	b Tolerance (N9)	t Tolerance
6-7	2	-0.004	1.2
8-10	3	-0.029	1.8
11-12	4	0	2.5
13-17	5	-0.03	3.0
18-20	6	-0.03	3.5

Unit: mm

Part Number		(8) Run-out Tolerance (Max.)											
Type	Screw Shaft O.D.	Screw Shaft Length											
		~125	126~200	201~315	316~400	401~500	501~630	631~800	801~1000	1001~1250	1251~1600	1601~2000	
BSX	6	0.025	0.035	0.050	-	-	-	-	-	-	-	-	
	8			0.040	0.050	0.065	-	-	-	-	-	-	
	10												
	12												
	15	-	0.025	0.030	0.040	0.050	0.055	-	-	-	-		
BSS C-BSS	8	0.035	0.040	0.050	0.065	-	-	-	-	-	-	-	
	10			0.045	0.055	0.060	0.075	0.090	-	-	-	-	
	12												
	15			-	0.040	0.055	0.060	0.075	0.090	0.120	0.150	0.190	-
	20			-	-	0.040	0.045	0.050	0.060	0.070	0.085	0.100	0.130
	25	-	-	0.040	0.045	0.050	0.060	0.070	0.085	0.100	0.130	-	
BSSE BSST	8	0.060	0.075	0.100	-	-	-	-	-	-	-	-	
	10	0.055	0.065	0.080	0.100	0.120	0.150	-	-	-	-	-	
	12												
	15	-	0.060	0.070	0.080	0.095	0.110	0.140	0.170	0.210	0.270	-	
	20	-	-	0.060	0.070	0.080	0.090	0.100	0.130	0.150	0.190	-	
	25	-	-	0.060	0.070	0.080	0.090	0.100	0.130	0.150	0.190	-	
BSSR BSSZ BSSC FBS BSBR C-BSSC	8	0.100	0.140	0.210	(0.270)	-	-	-	-	-	-	-	
	10	-	0.120	0.160	0.210	0.270	0.350	-	-	-	-	-	
	12	-	0.110	0.130	0.160	0.200	0.250	-	-	-	-	-	
	14	-	0.110	0.130	0.160	0.200	0.250	-	-	-	-	-	
	15	-	0.110	0.130	0.160	0.200	0.250	0.320	0.420	0.550	0.730	0.730	
	20	-	-	0.110	0.130	0.160	0.200	0.250	0.320	0.420	0.550	0.730	
	25	-	-	0.110	0.130	0.160	0.190	0.230	0.300	0.380	0.500	0.690	
	28	-	-	0.110	0.130	0.160	0.190	0.230	0.300	0.380	0.500	0.690	
	32	-	-	0.110	0.130	0.160	0.190	0.230	0.300	0.380	0.500	0.690	