

## Standard Tolerances for Press Fits

### Light Press Fit

Dia. of Hole, in inches	Shaft Dia. More Than Hole, in inches
Up to 1/2	+.0004 to +.0006
1/2 to 1	+.0005 to +.0010
1 to 2	+.00075 to +.0020
2 to 3	+.0015 to +.0030
3 to 4	+.0020 to +.0040
4 to 5	+.0020 to +.0045
5 to 6	+.0030 to +.0050

### Heavy Press Fit

Dia. of Hole, in inches	Shaft Dia. More Than Hole, in inches
Up to 1/2	+.0005 to +.001
1/2 to 1	+.001 to +.003
1 to 2	+.002 to +.004
2 to 3	+.003 to +.006
3 to 4	+.005 to +.008
4 to 5	+.006 to +.010
5 to 6	+.008 to +.012

## Standard Tolerances for Running Fits

### Speeds up to 1000 r.p.m.

Dia. of Hole, in inches	Shaft Dia. Less Than Hole, in inches
Up to 1/2	-.0005 to -.0010
1/2 to 1	-.00075 to -.0015
1 to 2	-.0015 to -.0025
2 to 3	-.0020 to -.0025
3 to 4	-.0025 to -.0030
4 to 5	-.0030 to -.0035
5 to 6	-.0035 to -.0040

### Speeds over 1000 r.p.m.

Dia. of Hole, in inches	Shaft Dia. Less Than Hole, in inches
Up to 1/2	-.0005 to -.0010
1/2 to 1	-.0010 to -.0020
1 to 2	-.0020 to -.0030
2 to 3	-.0025 to -.0035
3 to 4	-.0030 to -.0040
4 to 5	-.0035 to -.0045
5 to 6	-.0040 to -.0050

### Standard Tolerances for Push Fits

Dia. of Hole, in inches	Shaft Dia. Less Than Hole, in inches
Up to 1/2	-.00025 to -.00075
1/2 to 1	-.0005 to -.0010
1 to 2	-.0005 to -.0015
2 to 3	-.0005 to -.0015
3 to 4	-.00075 to -.0020
4 to 5	-.00075 to -.0020
5 to 6	-.00075 to -.0020

### Standard Tolerances for Sliding Fits

Dia. of Hole, in inches	Shaft Dia. Less Than Hole, in inches
Up to 1/2	-.0005 to -.001
1/2 to 1	-.00075 to -.0015
1 to 2	-.0015 to -.0025
2 to 3	-.0020 to -.0030
3 to 4	-.0025 to -.0030
4 to 5	-.0025 to -.0035
5 to 6	-.0025 to -.0040