

## Standard Tolerances for Press Fits

### Light Press Fit

Dia. of Hole, in inches	Shaft Dia. More Than Hole, in inches
Up to 1/2	+0.0004 to +0.0006
1/2 to 1	+0.0005 to +0.0010
1 to 2	+0.00075 to +0.0020
2 to 3	+0.0015 to +0.0030
3 to 4	+0.0020 to +0.0040
4 to 5	+0.0020 to +0.0045
5 to 6	+0.0030 to +0.0050

### Heavy Press Fit

Dia. of Hole, in inches	Shaft Dia. More Than Hole, in inches
Up to 1/2	+0.0005 to +0.001
1/2 to 1	+0.001 to +0.003
1 to 2	+0.002 to +0.004
2 to 3	+0.003 to +0.006
3 to 4	+0.005 to +0.008
4 to 5	+0.006 to +0.010
5 to 6	+0.008 to +0.012

## 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	-0.0005 to -0.0010
1/2 to 1	-0.00075 to -0.0015
1 to 2	-0.0015 to -0.0025
2 to 3	-0.0020 to -0.0025
3 to 4	-0.0025 to -0.0030
4 to 5	-0.0030 to -0.0035
5 to 6	-0.0035 to -0.0040

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

Dia. of Hole, in inches	Shaft Dia. Less Than Hole, in inches
Up to 1/2	-0.0005 to -0.0010
1/2 to 1	-0.0010 to -0.0020
1 to 2	-0.0020 to -0.0030
2 to 3	-0.0025 to -0.0035
3 to 4	-0.0030 to -0.0040
4 to 5	-0.0035 to -0.0045
5 to 6	-0.0040 to -0.0050

### Standard Tolerances for Push Fits

Dia. of Hole, in inches	Shaft Dia. Less Than Hole, in inches
Up to 1/2	-0.00025 to -0.00075
1/2 to 1	-0.0005 to -0.0010
1 to 2	-0.0005 to -0.0015
2 to 3	-0.0005 to -0.0015
3 to 4	-0.00075 to -0.0020
4 to 5	-0.00075 to -0.0020
5 to 6	-0.00075 to -0.0020

### Standard Tolerances for Sliding Fits

Dia. of Hole, in inches	Shaft Dia. Less Than Hole, in inches
Up to 1/2	-0.0005 to -0.001
1/2 to 1	-0.00075 to -0.0015
1 to 2	-0.0015 to -0.0025
2 to 3	-0.0020 to -0.0030
3 to 4	-0.0025 to -0.0030
4 to 5	-0.0025 to -0.0035
5 to 6	-0.0025 to -0.0040