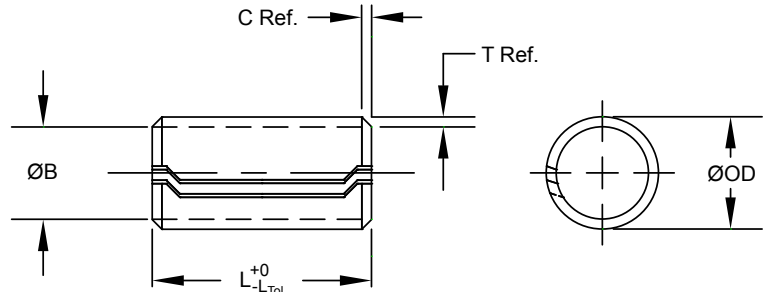




**Dowel Bushings** are used to locate components in conjunction with bolts which pass through the inside of the Dowel after it has been installed. Separate holes for locating pins are eliminated. The hardened Dowels also absorb shear loads, isolating the bolts from these forces.

### Series DB100



#### MATERIAL

**B** High Carbon Steel

#### FINISH

**K** Plain, Oiled

#### DIMENSIONAL DATA

Metric									
Nominal Bolt Diameter	Min. ØID Installed <sup>1</sup>	ØOD		Wall Thickness T	Chamfer		Recommended Ø Hole Size		Min. Single Shear (kN) <sup>2</sup>
		Min.	Max.		C Length	ØB Max.	Min.	Max.	
6	6.20	7.92	8.18	0.70	1.40	7.50	7.67	7.80	10.9
8	8.20	10.35	10.61	0.90	1.40	9.85	10.10	10.23	18.7
10	10.20	12.75	13.01	1.10	1.40	12.20	12.50	12.63	28.4
12	12.25	15.50	15.76	1.45	1.80	14.85	15.25	15.38	45.4
16	16.25	20.25	20.51	1.80	1.80	19.50	20.00	20.13	74.6

Inch										
Nominal Bolt Diameter	Min. ØID Installed <sup>1</sup>	ØOD		Wall Thickness T	Chamfer		Recommended Ø Hole Size		Min. Single Shear (lbs.) <sup>2</sup>	
		Min.	Max.		C Length	ØB Max.	Min.	Max.		
.250	1/4	.256	.325	.335	.028	.050	.308	.315	.320	2,500
.312	5/16	.318	.401	.411	.035	.050	.381	.391	.396	4,000
.375	3/8	.381	.479	.489	.042	.050	.457	.469	.474	5,750
.500	1/2	.510	.640	.650	.057	.060	.615	.630	.635	10,500

Metric						
Nominal Bolt Diameter	Length					
	12	15	20	25	30	35
6						
8						
10			LENGTH TOLERANCE + 0.0mm - 1.0mm			
12						
16						

Inch					
Nominal Bolt Diameter		Length			
		.500 1/2	.750 3/4	1.000 1	1.250 1-1/4
.250	1/4				
.312	5/16				
.375	3/8		LENGTH TOLERANCE +.000" -.030"		
.500	1/2				

<sup>1</sup> When installed in recommended hole.

<sup>2</sup> Single shear minimum, tested in accordance with ISO 8749 and ASME B18.8.2 Appendix B.

Testing can only be performed on Dowels greater than two diameters in length.

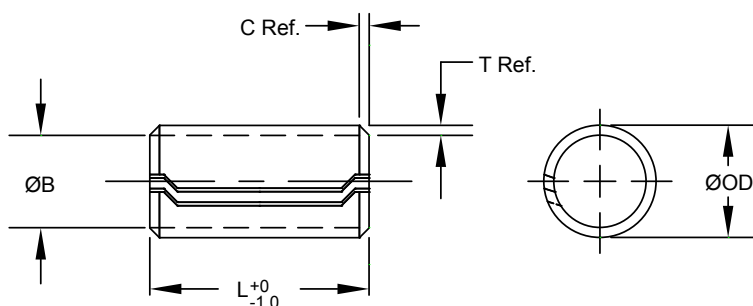
- On special order plated parts, all dimensions apply prior to plating.
- Special lengths and sizes available upon request.

**To Order:** BUSH, Nominal Dowel Size x Length, Material, Finish, Series  
**Example:** BUSH 10 x 25 BK DB100



**Spring Dowels** are used to accurately locate components with respect to each other. They are formed around arbors to assure roundness. It is recommended that one half the hole tolerance be used for the fixed location of the Dowel and one half for the hole in the mating part.

### Series SD200



#### MATERIAL

**B** High Carbon Steel

#### FINISH

**K** Plain, Oiled

#### DIMENSIONAL DATA

Metric								
Nominal Dowel Diameter	ØOD		Wall Thickness T	Chamfer		Recommended Ø Hole Size		Min. Single Shear (kN) <sup>1</sup>
	Min.	Max.		C Length	ØB Max.	Min.	Max.	
6	6.25	6.50	0.55	1.00	5.85	6.00	6.13	6.6
8	8.25	8.50	0.70	1.40	7.80	8.00	8.13	11.5
10	10.25	10.50	0.90	1.40	9.75	10.00	10.13	18.5
12	12.25	12.50	1.10	1.40	11.70	12.00	12.13	27.1

Metric					
Nominal Dowel Diameter	Length				
	12	15	20	25	30
6					
8					
10					
12					

<sup>1</sup> Single shear minimum, tested in accordance with ISO 8749. Testing can only be performed on Dowels greater than two diameters in length.

- On special order plated parts, all dimensions apply prior to plating.
- Special lengths and sizes available upon request.
- Inch sizes available upon request.

**To Order:** BUSH, Nominal Dowel Size x Length, Material, Finish, Series  
**Example:** BUSH 8 x 20 BK SD200



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