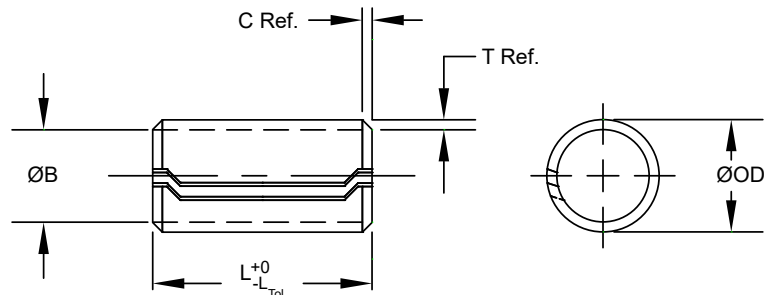




**Dowel Bushings** are used to locate components in conjunction with bolts which pass through the inside of the Dowel after it has been installed. Separate holes for locating pins are eliminated. The hardened Dowels also absorb shear loads, isolating the bolts from these forces.

### 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	6.08	7.92	8.18	0.70	1.40	7.50	7.67	7.80	10.9
8	8.10	10.35	10.61	0.90	1.40	9.85	10.10	10.23	18.7
10	10.10	12.75	13.01	1.10	1.40	12.20	12.50	12.63	28.4
12	12.10	15.50	15.76	1.45	1.80	14.85	15.25	15.38	45.4
16	16.10	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	.252	.325	.335	.028	.050	.308	.315	.320	2,500
.312	5/16	.315	.401	.411	.035	.050	.381	.391	.396	4,000
.375	3/8	.378	.479	.489	.042	.050	.457	.469	.474	5,750
.500	1/2	.506	.640	.650	.057	.060	.615	.630	.635	10,500

Metric						
Nominal Bolt Diameter	Length					
	12	15	20	25	30	35
6						
8			LENGTH TOLERANCE + 0.0mm - 1.0mm			
10						
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	LENGTH TOLERANCE + .000" - .030"		
.375	3/8			
.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

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Coiled Spring Pins



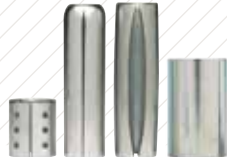
Slotted Spring Pins



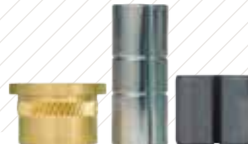
Solid Pins



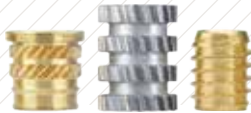
Alignment Dowels /  
Bushings



Spacers & Rolled  
Tubular Components



Compression  
Limiters



Threaded Inserts  
for Plastics



Railroad Nuts



Disc Springs



Precision Shims &  
Thin Metal Stampings



Precision Washers



Parts Feeding  
Technology



Pin Installation  
Technology



Insert Installation  
Technology



Compression Limiter  
Installation Technology

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