

GRIP TIGHT® BUSHING

PT COMPONENTS

DODGE® GRIP TIGHT® Bushing

DODGE GRIP TIGHT is a revolutionary keyless bushing system that is ideal for lower-torque, rotating shaft systems. The GRIP TIGHT bushing is optimally suited for applications in which concentricity, balance, and vibration control are important, decreasing maintenance costs and increasing productivity and uptime. The 360° contact provides a secure fit onto the shaft, eliminates shaft damage, and makes the use of keys obsolete.



Features/Specifications

- Ease of installation and removal - equipment using the GRIP TIGHT bushing needs little modification, like tapering the bore and drilling/tapping
- No need to machine your shaft for key seats or tight tolerances
- Concentric contact on shaft for better grip
 - Less vibration
- Usable with commercial shafting
 - Reduction in material cost
- No setscrews contacting the shaft
 - no fretting corrosion
- Superior balanced system
- Same bushing concept used in bearings, fan hubs, and sheaves
- No elaborate machining required for mating hub

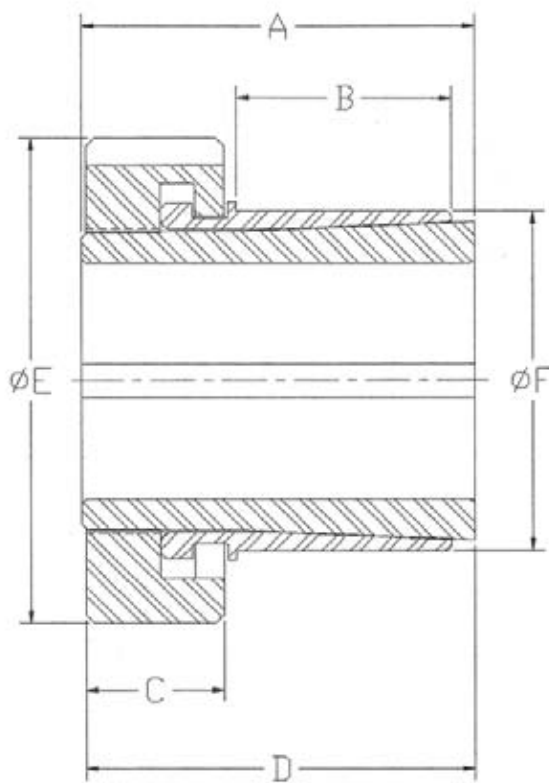


Applications

- Fan and Air Handling Systems
- Cooling Wheels
- Low-Torque Mixers
- Pumps
- With Sheaves, Sprockets and Couplings

GT Bushing Dimensions

Shaft Size (in)	Series	Part Number	A	B	C	D	E	F	Recommended Housing Bore Tolerance
1	205	111940	1.46	.80	.52	1.43	1.80	1.256	+0.040" - 0
1-3/16	206	111941	1.61	.94	.53	1.58	2.00	1.445	+0.040" - 0
1-7/16	207	111942	1.62	.98	.53	1.59	2.30	1.693	+0.040" - 0
1-1/2	208	111943	1.84	1.12	.53	1.81	2.50	1.932	+0.040" - 0
1-11/16	209	111944	1.85	1.15	.53	1.82	2.67	2.080	+0.047" - 0
1-15/16	210	111945	1.86	1.16	.53	1.83	2.94	2.312	+0.047" - 0
2-3/16	211	111946	1.93	1.23	.53	1.90	3.25	2.564	+0.047" - 0
2-7/16	212	111947	2.12	1.33	.60	2.09	3.50	2.782	+0.047" - 0
2-11/16	214	111948	2.39	1.59	.62	2.36	3.81	3.083	+0.047" - 0
2-15/16	215	111949	2.56	1.66	.75	2.53	4.25	3.410	+0.055" - 0
3-7/16	218	111950	2.77	1.83	.75	2.74	4.50	3.962	+0.055" - 0



GT Bushing Torque Capacities

Series: 205		Cast Iron Hub	Steel Hub
Shaft Size (in)	Min Hub OD (in)	CL 30 Iron	50KPSI UTS
		Max Torque (in-lb)	
3/4	2.5	750	1440
7/8		880	1680
15/16		945	1800
1		1000	1920
Series: 206		Cast Iron Hub	Steel Hub
Shaft Size (in)	Min Hub OD (in)	CL 30 Iron	50KPSI UTS
		Max Torque (in-lb)	
1	3.0	1220	2320
1-1/8		1375	2610
1-3/16		1450	2750
1-1/4		1528	2900
Series: 207		Cast Iron Hub	Steel Hub
Shaft Size (in)	Min Hub OD (in)	CL 30 Iron	50KPSI UTS
		Max Torque (in-lb)	
1-3/16	3.8	1595	3000
1-1/4		1680	3150
1-3/8		1850	3470
1-7/16		1930	3620
Series: 208		Cast Iron Hub	Steel Hub
Shaft Size (in)	Min Hub OD (in)	CL 30 Iron	50KPSI UTS
		Max Torque (in-lb)	
1-7/16	4.8	2330	4330
1-1/2		2430	4520
1-5/8		2630	4890
Series: 209		Cast Iron Hub	Steel Hub
Shaft Size (in)	Min Hub OD (in)	CL 30 Iron	50KPSI UTS
		Max Torque (in-lb)	
1-1/2	5.3	2530	4680
1-5/8		2740	5070
1-11/16		2850	5250
1-3/4		2950	5460
Series: 210		Cast Iron Hub	Steel Hub
Shaft Size (in)	Min Hub OD (in)	CL 30 Iron	50KPSI UTS
		Max Torque (in-lb)	
1-11/16	5.8	2850	5280
1-3/4		2950	5480
1-15/16		3270	6050
2		3375	6250
Series: 211		Cast Iron Hub	Steel Hub
Shaft Size (in)	Min Hub OD (in)	CL 30 Iron	50KPSI UTS
		Max Torque (in-lb)	
1-15/16	5.5	4890	9220
2		5200	9800
2-3/16		5350	10100
2-1/4		5500	10375
Series: 212		Cast Iron Hub	Steel Hub
Shaft Size (in)	Min Hub OD (in)	CL 30 Iron	50KPSI UTS
		Max Torque (in-lb)	
2-3/16	5.5	5780	10910
2-1/4		5950	11225
2-7/16		6450	12150
Series: 214		Cast Iron Hub	Steel Hub
Shaft Size (in)	Min Hub OD (in)	CL 30 Iron	50KPSI UTS
		Max Torque (in-lb)	
2-7/16	6.0	7150	13660
2-1/2		7330	14000
2-11/16		7900	15050
Series: 215		Cast Iron Hub	Steel Hub
Shaft Size (in)	Min Hub OD (in)	CL 30 Iron	50KPSI UTS
		Max Torque (in-lb)	
2-11/16	6.8	8400	16000
2-15/16		9180	17500
3		9380	17850
Series: 218		Cast Iron Hub	Steel Hub
Shaft Size (in)	Min Hub OD (in)	CL 30 Iron	50KPSI UTS
		Max Torque (in-lb)	
3-7/16	7.5	11320	21720
3-1/2		11525	22115



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