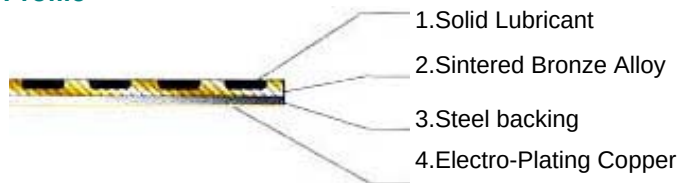


FB08G bush is composed of steel backing and sintered with bronze alloy. As the high strength, high load of base material and with high polymer-filled diamond indents. So, it is suitable for bushing and thrust washer applications where the available lubrication is sometimes not adequate. For example, in the starter motor or around the king-pin.

Profile



Mechanical Performance

Type	Tensile (N/mm ²)	Yield Strength (N/mm ²)	Elongation(%)	Hardness (HB)
FB08G	420	230	>10	70~90

Physical Characteristic

Type	SP,GR g/cm ³	linear expansion 20~250℃ 10-6/℃	Heat conductivity 20℃ w/ohm*mm ²	Ltrotty conductivity 20℃ w/m*k	Elastic modulus KN/mm ²	Friction coeff μ
FB08G	7.8	22	76	9	100	<0.08(oil);<0.22(dry)

Load Capability

Type	MAX DYNAMIC LOAD (N/mm ²)	MAX SLIDING SPEED (m/s)	MAX TEMP (℃)	WORK CONDITION
FB08G	DRY 70	0.4	250	Medium Load; Low Speed
	OIL 90	2	200	Medium Load; Medium Speed

FB09G is based on high density phosphor-bronze alloy and cover up solid lubricant on surface. As the high strength, high load of base material and with high polymer-filled diamond indents. So, it is suitable for bushing and thrust washer applications where the available lubrication is sometimes not adequate. For example, in the starter motor or around the king-pin.

Profile



Mechanical Performance

Type	Tensile (N/mm ²)	Yield Strength (N/mm ²)	Elongation(%)	Hardness (HB)
FB09G	450	250	>12	90~110

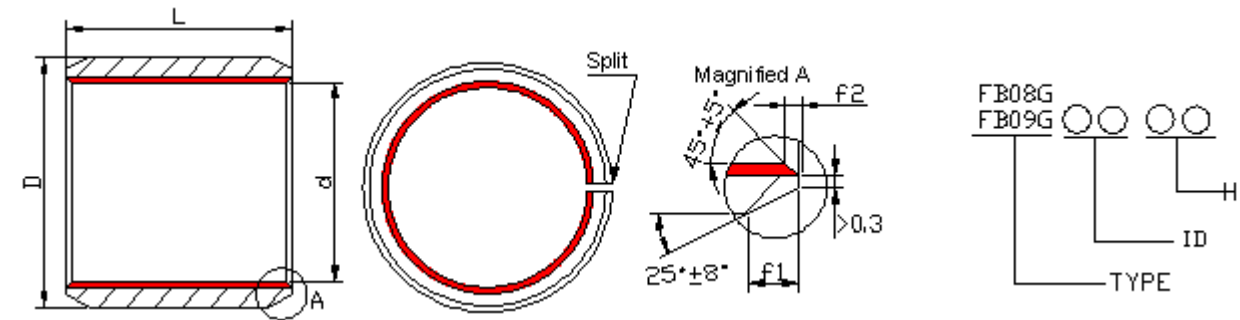
Physical Characteristic

Type	SP,GR g/cm ³	linear expansion 20~250℃ 10-6/℃	Heat conductivity 20℃ w/ohm*mm ²	Ltrotty conductivity 20℃ w/m*k	Elastic modulus KN/mm ²	Friction coeff μ
FB09G	8.2	20	62	7	110	<0.10(oil);<0.25(dry)

Load Capability

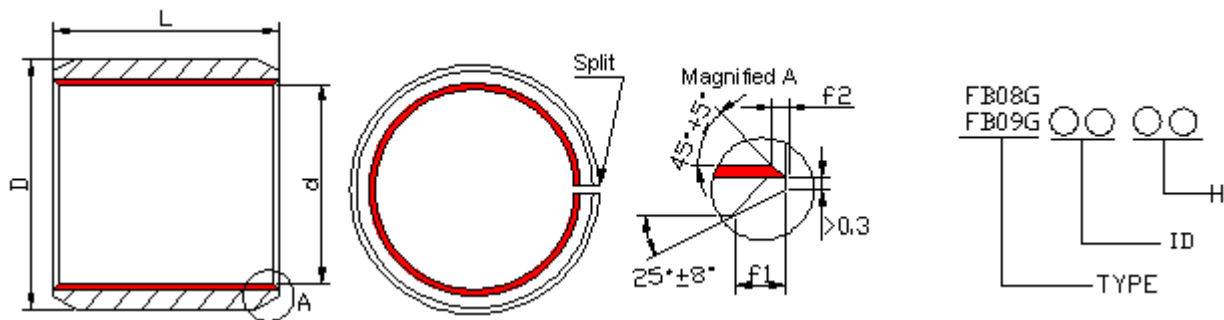
Type	MAX DYNAMIC LOAD (N/mm ²)	MAX SLIDING SPEED (m/s)	MAX TEMP (℃)	WORK CONDITION
FB09G	DRY 80	0.2	250	High Load
	OIL 100	1	100	Low speed

Size Specification Page no.1



d(H9)	D	AXLE	HOUSING	f1	f2	L-0.40													
						10	15	20	25	30	35	40	50	60	70	80	90	100	
10	12	$10^{+0.025}_{-0.040}$	$12^{+0.018}$	0.5	0.3	1010	1015												
12	14	$12^{+0.025}_{-0.050}$	$14^{+0.018}$	0.5	0.3	1210	1215	1220											
14	16	$14^{+0.025}_{-0.050}$	$16^{+0.018}$	0.5	0.3	1410	1415	1420	1425										
16	18	$16^{+0.025}_{-0.050}$	$18^{+0.018}$	0.5	0.3	1610	1615	1620	1625										
18	21	$18^{+0.025}_{-0.050}$	$21^{+0.021}$	0.5	0.3	1810	1815	1820	1825										
20	23	$20^{+0.040}_{-0.061}$	$23^{+0.021}$	0.8	0.4	2010	2015	2020	2025	2030									
22	25	$22^{+0.040}_{-0.061}$	$23^{+0.021}$	0.8	0.4		2215	2220	2225	2230		2240							
24	27	$24^{+0.040}_{-0.061}$	$27^{+0.021}$	0.8	0.4		2415	2420		2430		2440							
25	28	$25^{+0.040}_{-0.061}$	$28^{+0.021}$	0.8	0.4	2515	2515	2520	2525	2530		2540	2550						
28	31	$28^{+0.040}_{-0.061}$	$31^{+0.025}$	0.8	0.4		2815	2820	2825	2830									
30	34	$30^{+0.040}_{-0.061}$	$34^{+0.025}$	1.0	0.5		3015	3020	3025	3030		3040	3050						
32	36	$32^{+0.050}_{-0.075}$	$36^{+0.025}$	1.0	0.5		3215	3220	3225	3230		3240							
35	39	$35^{+0.050}_{-0.075}$	$39^{+0.025}$	1.0	0.5		3515	3520	3525	3530	3535	3540							
40	44	$40^{+0.050}_{-0.075}$	$40^{+0.025}$	1.0	0.5			4020	4025	4030	4035	4040	4050	4060					
45	50	$45^{+0.050}_{-0.075}$	$45^{+0.025}$	1.0	0.5			4520	4525	4530		4040	4050	4060					
50	55	$50^{+0.050}_{-0.075}$	$50^{+0.030}$	1.2	0.6			5020	5025	5030		5040	5050	5060					
55	60	$55^{+0.060}_{-0.090}$	$60^{+0.030}$	1.2	0.6			5520	5525	5530		5540	5550	5560					
60	65	$60^{+0.060}_{-0.090}$	$65^{+0.030}$	1.2	0.6				6025	6030	6035	6040	6050	6060	6070	6080			
65	70	$65^{+0.060}_{-0.090}$	$70^{+0.030}$	1.2	0.6					6530		6540	6550		6570	6580			
70	75	$70^{+0.060}_{-0.090}$	$75^{+0.030}$	1.2	0.6							7040	7050	7060	7070	7080	7090		
75	80	$75^{+0.060}_{-0.090}$	$80^{+0.030}$	1.2	0.6							7540		7560		7580			
80	85	$80^{+0.060}_{-0.090}$	$85^{+0.035}$	1.2	0.6					8030		8040	8050	8060	8070	8080	8090		
85	90	$85^{+0.072}_{-0.107}$	$90^{+0.035}$	1.4	0.7					8530		8540	8550	8560		8580			
90	100	$90^{+0.072}_{-0.107}$	$100^{+0.035}$	1.4	0.7							9040	9050	9060		9080	9090		

Size Specification Page no.2



d(H9)	D	AXLE	HOUSING	f1	f2	L ^{-0.40}												
						10	15	20	25	30	35	40	50	60	70	80	90	100
100	105	$100^{+0.035}_{-0.072}$	$105^{+0.035}_{-0.107}$	1.4	0.7								10050	10060		10080		100100
105	110	$105^{+0.035}_{-0.072}$	$110^{+0.035}_{-0.107}$	1.4	0.7									10560		10580		
110	115	$110^{+0.035}_{-0.072}$	$115^{+0.035}_{-0.107}$	1.4	0.7								11050	11060		11080		110100
115	120	$115^{+0.035}_{-0.072}$	$120^{+0.035}_{-0.107}$	1.4	0.7									11560		11580		115100
120	125	$120^{+0.040}_{-0.072}$	$125^{+0.040}_{-0.107}$	1.6	0.8									12060		12080		120100
125	130	$125^{+0.040}_{-0.072}$	$130^{+0.040}_{-0.107}$	1.6	0.8									12560		12580		125100
130	135	$130^{+0.040}_{-0.085}$	$135^{+0.040}_{-0.125}$	1.6	0.8									13060		13080		130100
135	140	$135^{+0.040}_{-0.085}$	$140^{+0.040}_{-0.125}$	1.6	0.8									13560				135100
140	145	$140^{+0.040}_{-0.085}$	$145^{+0.040}_{-0.125}$	1.6	0.8									14060		14080		140100

Dimensions not listed in the tables can also be provided, please feel free to contact with us!

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