



## SEAL BEARING & SLEEVE CLEARANCES **GUIDE**

TECHNICAL INFORMATION EDUCATION SERIES



# OIL-LUBRICATED SLEEVE BEARING DIAMETRAL CLEARANCE GUIDE

## HORIZONTAL MOUNTING

DIMENSIONS IN INCHES				DIMENSIONS IN MILLIMETERS			
NOMINAL BEARING BORE		DIAMETRAL CLEARANCE		NOMINAL BEARING BORE		DIAMETRAL CLEARANCE	
OVER	UP TO	MIN.	MAX.	OVER	UP TO	MIN.	MAX.
0.75	1	0.0015	0.0025	19	25	0.037	0.062
1	1.25	0.0030	0.004	25	32	0.075	0.100
1.25	2	0.0035	0.005	32	50	0.087	0.125
2	2.5	0.004	0.006	50	63	0.100	0.150
2.5	3	0.005	0.007	63	75	0.125	0.175
3	4	0.006	0.008	75	100	0.150	0.200
4	5	0.007	0.009	100	125	0.175	0.225
5	6	0.008	0.010	125	150	0.200	0.250
6	7	0.009	0.011	150	175	0.225	0.275
7	8	0.010	0.012	175	200	0.250	0.300
8	9	0.011	0.013	200	225	0.275	0.325
9	11	0.012	0.014	225	275	0.300	0.350
11	13	0.013	0.015	275	325	0.325	0.375
13	15	0.014	0.016	325	375	0.350	0.400
15	17	0.015	0.017	375	425	0.375	0.425
17	19	0.015	0.018	425	475	0.375	0.450
19	22	0.016	0.019	475	550	0.400	0.475
22	28	0.018	0.021	550	700	0.450	0.525

## LABYRINTH SEAL DIAMETRAL CLEARANCE GUIDE\*

SHAFT/SEAL CLEARANCES BASED ON 0.005" PER INCH OF DIAMETER

\*Dimensions in inches.

SHAFT DIAMETER (- 0.002)	BORE SIZE (+ 0.002)	SHAFT DIAMETER (- 0.002)	BORE SIZE (+ 0.002)
3.000	3.015	5.500	5.528
3.500	3.518	6.000	6.030
4.000	4.020	6.500	6.533
4.500	4.523	7.000	7.035
5.000	5.025	—	—



Source: Mechanical Reference Handbook  
Electrical Apparatus Service Association



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