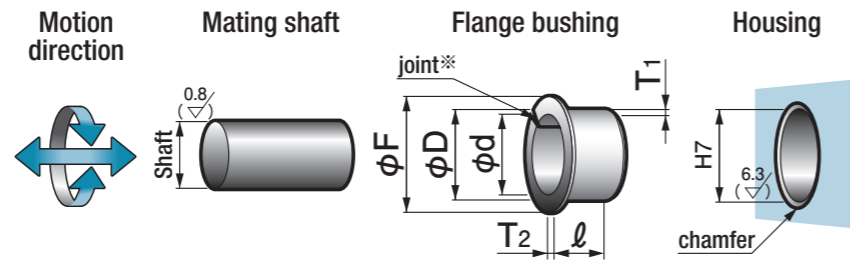
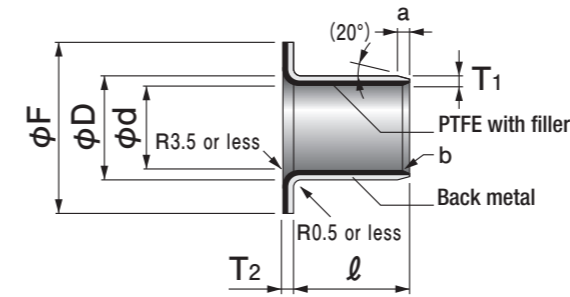


Specify Part No. by required I.D. and length.
(e.g.) I.D. is 20mm and length is 10mm.

LFF - 2010
Part No.



**The joint causes no influences upon rotation of the shaft. Be careful when press-fitting so that the joint is not at the position to which the maximum load is applied.



a: O.D. chamfering for the bushing I.D. of ϕ10 or more

T1	1.0	1.5	2.0	2.5
a	0.5	0.8	1.0	1.0

(mm)

b: I.D. chamfering for the bushing I.D. of ϕ10 or more

T1	1.0	1.5	2.0	2.5
b	C0.3	C0.5	C0.5	C0.5

(mm)

**Chamfering of inner or outer diameters less than ϕ10 mm is done only to remove burrs.

Shaft Size	Shaft Tolerance	Housing Size	Housing H7 Tolerance	I.D. ϕd	O.D. ϕD	O.D. Tolerance	Flange				Wall thickness		Length ℓ				Tolerance ⁰ / _{-0.3}
							ϕF	Tolerance	T2	Tolerance	T1	Tolerance	3	4	5	6	
3	-0.025/-0.034	4.6	+0.012/0	3	4.6	+0.047/+0.017	7	0/-0.8	0.8	0/-0.15	0.8	0/-0.025	0303			0305	
4	-0.025/-0.037	5.6	+0.012/0	4	5.6	+0.047/+0.017	9	0/-0.8	0.8	0/-0.15	0.8	0/-0.025		0404			0406
5	-0.025/-0.037	7	+0.015/0	5	7	+0.055/+0.025	10	0/-0.8	1.0	0/-0.15	1.0	0/-0.025		0504	0505	0506	
6	-0.025/-0.037	8	+0.015/0	6	8	+0.055/+0.025	12	0/-0.8	1.0	0/-0.15	1.0	0/-0.025			0605	0606	
7	-0.025/-0.040	9	+0.015/0	7	9	+0.055/+0.025	13	0/-0.8	1.0	0/-0.15	1.0	0/-0.025			0705		
8	-0.025/-0.040	10	+0.015/0	8	10	+0.055/+0.025	15	0/-0.8	1.0	0/-0.15	1.0	0/-0.025				0806	
9	-0.025/-0.040	11	+0.018/0	9	11	+0.060/+0.030	16	0/-0.8	1.0	0/-0.15	1.0	0/-0.025					1006
10	-0.025/-0.040	12	+0.018/0	10	12	+0.060/+0.030	18	0/-0.8	1.0	0/-0.15	1.0	0/-0.025					1206
12	-0.025/-0.043	14	+0.018/0	12	14	+0.060/+0.030	20	0/-0.8	1.0	0/-0.15	1.0	0/-0.025					
13	-0.025/-0.043	15	+0.018/0	13	15	+0.060/+0.030	21	0/-0.8	1.0	0/-0.15	1.0	0/-0.025					
14	-0.025/-0.043	16	+0.018/0	14	16	+0.065/+0.035	22	0/-0.8	1.0	0/-0.15	1.0	0/-0.025					
15	-0.025/-0.043	17	+0.018/0	15	17	+0.065/+0.035	23	0/-0.8	1.0	0/-0.15	1.0	0/-0.025					
16	-0.025/-0.043	18	+0.018/0	16	18	+0.070/+0.035	24	0/-0.8	1.0	0/-0.15	1.0	0/-0.025					
18	-0.025/-0.043	20	+0.021/0	18	20	+0.075/+0.040	26	0/-0.8	1.0	0/-0.15	1.0	0/-0.025					
20	-0.025/-0.046	23	+0.021/0	20	23	+0.080/+0.045	31	0/-0.8	1.5	0/-0.15	1.5	0/-0.030					
22	-0.025/-0.046	25	+0.021/0	22	25	+0.080/+0.045	33	0/-0.8	1.5	0/-0.15	1.5	0/-0.030					
24	-0.025/-0.046	27	+0.021/0	24	27	+0.080/+0.045	35	0/-0.8	1.5	0/-0.15	1.5	0/-0.030					
25	-0.025/-0.046	28	+0.021/0	25	28	+0.085/+0.050	36	0/-0.8	1.5	0/-0.15	1.5	0/-0.030					
26	-0.025/-0.046	30	+0.021/0	26	30	+0.085/+0.050	38	0/-0.8	2.0	0/-0.15	2.0	0/-0.030					
28	-0.025/-0.046	32	+0.025/0	28	32	+0.090/+0.050	40	0/-0.8	2.0	0/-0.15	2.0	0/-0.030					
30	-0.025/-0.046	34	+0.025/0	30	34	+0.090/+0.050	42	0/-0.8	2.0	0/-0.15	2.0	0/-0.030					
31	-0.025/-0.050	35	+0.025/0	31	35	+0.090/+0.050	45	0/-0.8	2.0	0/-0.15	2.0	0/-0.030					
32	-0.025/-0.050	36	+0.025/0	32	36	+0.090/+0.050	46	0/-0.8	2.0	0/-0.15	2.0	0/-0.030					
35	-0.025/-0.050	39	+0.025/0	35	39	+0.095/+0.055	49	0/-0.8	2.0	0/-0.15	2.0	0/-0.030					
38	-0.025/-0.050	42	+0.025/0	38	42	+0.095/+0.055	52	0/-0.8	2.0	0/-0.15	2.0	0/-0.030					
40	-0.025/-0.050	44	+0.025/0	40	44	+0.095/+0.055	54	0/-0.8	2.0	0/-0.15	2.0	0/-0.030					
45	-0.025/-0.050	50	+0.025/0	45	50	+0.100/+0.060	60	0/-0.8	2.5	0/-0.15	2.5	0/-0.040					
50	-0.025/-0.050	55	+0.030/0	50	55	+0.105/+0.060	65	0/-0.8	2.5	0/-0.15	2.5	0/-0.040					
55	-0.025/-0.055	60	+0.030/0	55	60	+0.110/+0.065	70	0/-0.8	2.5	0/-0.15	2.5	0/-0.040					
60	-0.025/-0.055	65	+0.030/0	60	65	+0.120/+0.070	75	0/-0.8	2.5	0/-0.15	2.5	0/-0.040					

**Outer diameter is measured by exclusive gauge.
**The I.D. tolerance after press fitting is for reference only.

Length ℓ												Tolerance ⁰ / _{-0.3}		I.D. tolerance after press fitting (reference)	I.D. ϕd
7	8	10	12	15	20	25	30	40	50	60					
													+0.062/0	3	
													+0.062/0	4	
													+0.065/0	5	
													+0.065/0	6	
0607	0608	0610											+0.065/0	7	
0707		0710	0712										+0.065/0	8	
	0808	0810	0812										+0.065/0	9	
		0910											+0.068/0	10	
1007	1008	1010	1012	1015									+0.068/0	12	
1207	1208	1210	1212	1215	1220								+0.068/0	13	
		1310		1315									+0.068/0	14	
		1410	1412	1415	1420								+0.068/0	15	
		1510	1512	1515	1520	1525							+0.068/0	16	
		1610	1612	1615	1620	1625							+0.068/0	18	
		1810	1812	1815	1820	1825							+0.071/0	20	
		2010	2012	2015	2020	2025	2030						+0.081/0	22	
		2210	2212	2215	2220	2225							+0.081/0	24	
				2415	2420	2425	2430						+0.081/0	25	
				2510	2512	2515	2520	2525	2530				+0.081/0	26	
						2615	2620						+0.085/0	28	
						2812	2815	2820		2830			+0.085/0	30	
						3012	3015	3020	3025	3030	3040		+0.085/0	31	
									3125				+0.085/0	32	
									3220	3225	3230		+0.085/0	35	
								3512	3520	3525	3530	3540	3550	+0.085/0	38
									3820		3830	3840		+0.085/0	40
								4012	4020	4025	4030	4040	4050	+0.085/0	45
									4520	4525	4530	4540	4550	+0.105/0	50
									5020		5030	5040		+0.110/0	55
											5530	5540		+0.110/0	60
											6030	6040		+0.110/0	60