

FLUSH-MOUNT SELF-CENTERING STYLE

# FL Inch Series

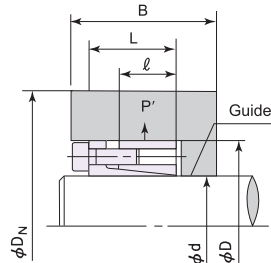
## Installing to hubs with a guide portion

when  $L_2 < B < 2\ell$   
(See Installation Example B)

## Installing to hubs without a guide portion

(See Installation Example C)

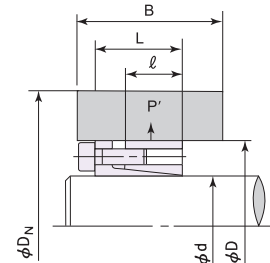
$\phi_{D_N}$  is the minimum hub diameter required to tolerate  $P'$  or the pressure exerted from within the hub.



Hub with Guide

Installation Example B  
When installing to hubs

with a guide portion, the hub configuration coefficient is as follows:  $K_3=1.0$



Hub with Guide

Installation Example C  
When installing to hubs

without a guide portion, the hub configuration coefficient is as follows:  $K_3=1.0$

<EXAMPLE> Hub Material Yield Point = 35500 psi  
PL2FL = 6.242" min. hub diameter

### Min. Hub Dia. ( $\phi_{D_N}$ in inches)

Model Number	Hub Contact Pressure $P'$ (psi)	Yield Point and Material examples										
		147 Mpa	176 Mpa	206 Mpa	225 Mpa	245 Mpa	274 Mpa	294 Mpa	343 Mpa	392 Mpa	441 Mpa	
		21300 psi	25500 psi	29900 psi	32600 psi	35500 psi	39700 psi	42600 psi	49700 psi	56900 psi	64000 psi	
				1010 304SS 316SS	1015 1118	1020	1030	1035 1040 1144	1035 1040 1144	1045	1055	
PL3/4	FL	13747	3.982	3.379	3.043	2.900	2.783	2.654	2.585	2.457	2.368	2.302
PL7/8	FL	13747	3.982	3.379	3.043	2.900	2.783	2.654	2.585	2.457	2.368	2.302
PL1	FL	16153	5.301	4.151	3.605	3.387	3.215	3.030	2.933	2.757	2.636	2.548
PL1-1/8	FL	17621	7.025	5.059	4.263	3.962	3.730	3.487	3.360	3.136	2.983	2.873
PL1-3/16	FL	17621	7.025	5.059	4.263	3.962	3.730	3.487	3.360	3.136	2.983	2.873
PL1-1/4	FL	17466	7.493	5.455	4.613	4.293	4.046	3.786	3.650	3.408	3.245	3.126
PL1-3/8	FL	19961	13.015	6.753	5.295	4.812	4.459	4.104	3.924	3.614	3.408	3.262
PL1-7/16	FL	18426	9.481	6.366	5.256	4.851	4.545	4.227	4.064	3.775	3.582	3.442
PL1-1/2	FL	20729	21.563	7.945	6.018	5.418	4.989	4.564	4.352	3.988	3.750	3.582
PL1-5/8	FL	19304	13.252	7.925	6.368	5.828	5.427	5.019	4.811	4.447	4.205	4.032
PL1-11/16	FL	19304	13.252	7.925	6.368	5.828	5.427	5.019	4.811	4.447	4.205	4.032
PL1-3/4	FL	19304	13.252	7.925	6.368	5.828	5.427	5.019	4.811	4.447	4.205	4.032
PL1-7/8	FL	18097	11.014	7.632	6.356	5.884	5.524	5.149	4.955	4.611	4.380	4.213
PL1-15/16	FL	21114	45.068	10.239	7.597	6.803	6.242	5.693	5.420	4.955	4.652	4.438
PL2	FL	21114	45.068	10.239	7.597	6.803	6.242	5.693	5.420	4.955	4.652	4.438
PL1-1/8	FL	19872	17.841	9.481	7.462	6.788	6.294	5.796	5.545	5.108	4.820	4.614
PL1-3/16	FL	19872	17.841	9.481	7.462	6.788	6.294	5.796	5.545	5.108	4.820	4.614
PL2-1/4	FL	21449	na	12.026	8.743	7.791	7.127	6.481	6.162	5.620	5.269	5.022
PL2-3/8	FL	21449	na	12.026	8.743	7.791	7.127	6.481	6.162	5.620	5.269	5.022
PL2-7/16	FL	22860	na	15.930	10.253	8.912	8.028	7.202	6.806	6.146	5.727	5.436
PL2-1/2	FL	22860	na	15.930	10.253	8.912	8.028	7.202	6.806	6.146	5.727	5.436
PL2-9/16	FL	22860	na	15.930	10.253	8.912	8.028	7.202	6.806	6.146	5.727	5.436
PL2-11/16	FL	20463	na	13.051	10.014	9.045	8.348	7.653	7.305	6.706	6.312	6.033
PL2-3/4	FL	20463	na	13.051	10.014	9.045	8.348	7.653	7.305	6.706	6.312	6.033
PL2-7/8	FL	19573	na	12.461	9.918	9.052	8.413	7.765	7.435	6.862	6.482	6.211
PL2-15/16	FL	22370	na	17.634	11.943	10.481	9.495	8.561	8.108	7.348	6.862	6.523
PL3	FL	21437	na	16.010	11.649	10.382	9.498	8.637	8.213	7.491	7.024	6.695
PL3-1/4	FL	20580	na	15.024	11.464	10.340	9.533	8.732	8.331	7.642	7.190	6.870
PL3-3/8	FL	23152	na	22.282	13.819	11.937	10.714	9.582	9.042	8.148	7.582	7.190
PL3-7/16	FL	22262	na	19.581	13.391	11.775	10.680	9.640	9.134	8.284	7.740	7.360
PL3-1/2	FL	22262	na	19.581	13.391	11.775	10.680	9.640	9.134	8.284	7.740	7.360
PL3-3/4	FL	21437	na	18.011	13.105	11.680	10.685	9.717	9.239	8.428	7.902	7.532
PL3-15/16	FL	21916	na	20.691	14.560	12.879	11.725	10.617	10.075	9.160	8.572	8.158
PL4	FL	21916	na	20.691	14.560	12.879	11.725	10.617	10.075	9.160	8.572	8.158