FLUSH-MOUNT SELF-CENTERING STYLE

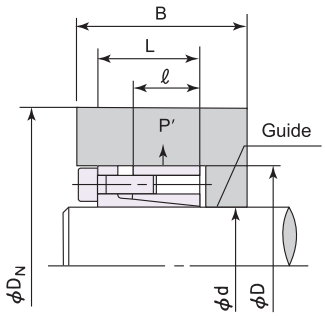
FL Inch Series

Installing to hubs with a guide portion

when B≧2ℓ
(See Installation Example A)

D_N is the minimum hub diameter required to tolerate P′ or the pressure exerted from within the hub.

<EXAMPLE> Hub Material Yield Point = 35500 psi
PL2FL = 5.282″ min. hub diameter



Hub with Guide

Installation Example A
When installing to hubs with a guide portion, the hub configuration coefficient is as follows: K_3=0.8

Min. Hub Dia. (D_N in inches)

Model Number	Hub Contact Pressure P′ (psi)	Yield Point and Material examples									
		147 Mpa 21300 psi	176 Mpa 25500 psi	206 Mpa 29900 psi	225 Mpa 32600 psi	245 Mpa 35500 psi	274 Mpa 39700 psi	294 Mpa 42600 psi	343 Mpa 49700 psi	392 Mpa 56900 psi	441 Mpa 64000 psi
				1010 304SS 316SS	1015 1118	1020	1030	1035 1040 1144	4140 1045	1055	
PL3/4 FL	13747	3.274	2.934	2.723	2.628	2.548	2.458	2.409	2.317	2.251	2.201
PL7/8 FL	13747	3.274	2.934	2.723	2.628	2.548	2.458	2.409	2.317	2.251	2.201
PL1 FL	16153	3.975	3.438	3.127	2.993	2.882	2.758	2.692	2.568	2.481	2.416
PL1-1/8 FL	17621	4.795	4.032	3.615	3.438	3.295	3.137	3.053	2.898	2.789	2.709
PL1-3/16 FL	17621	4.795	4.032	3.615	3.438	3.295	3.137	3.053	2.898	2.789	2.709
PL1-1/4 FL	17466	5.177	4.368	3.922	3.733	3.579	3.410	3.320	3.153	3.036	2.949
PL1-3/8 FL	19961	6.235	4.922	4.289	4.034	3.833	3.616	3.502	3.295	3.153	3.048
PL1-7/16 FL	18426	5.991	4.944	4.393	4.164	3.979	3.778	3.670	3.473	3.337	3.236
PL1-1/2 FL	20729	7.238	5.553	4.784	4.481	4.244	3.991	3.858	3.619	3.456	3.337
PL1-5/8 FL	19304	7.385	5.952	5.232	4.938	4.703	4.450	4.315	4.070	3.901	3.777
PL1-11/16 FL	19304	7.385	5.952	5.232	4.938	4.703	4.450	4.315	4.070	3.901	3.777
PL1-3/4 FL	19304	7.385	5.952	5.232	4.938	4.703	4.450	4.315	4.070	3.901	3.777
PL1-7/8 FL	18097	7.204	5.993	5.345	5.074	4.854	4.614	4.485	4.250	4.086	3.965
PL1-15/16 FL	21114	9.250	6.980	5.977	5.586	5.282	4.958	4.789	4.485	4.278	4.128
PL2 FL	21114	9.250	6.980	5.977	5.586	5.282	4.958	4.789	4.485	4.278	4.128
PL1-1/8 FL	19872	8.766	6.941	6.055	5.699	5.416	5.112	4.951	4.660	4.460	4.314
PL1-3/16 FL	19872	8.766	6.941	6.055	5.699	5.416	5.112	4.951	4.660	4.460	4.314
PL2-1/4 FL	21449	10.774	8.003	6.814	6.356	6.000	5.625	5.428	5.077	4.838	4.665
PL2-3/8 FL	21449	10.774	8.003	6.814	6.356	6.000	5.625	5.428	5.077	4.838	4.665
PL2-7/16 FL	22860	13.516	9.201	7.625	7.047	6.607	6.151	5.916	5.500	5.221	5.019
PL2-1/2 FL	22860	13.516	9.201	7.625	7.047	6.607	6.151	5.916	5.500	5.221	5.019
PL2-9/16 FL	22860	13.516	9.201	7.625	7.047	6.607	6.151	5.916	5.500	5.221	5.019
PL2-11/16 FL	20463	11.950	9.264	8.013	7.517	7.127	6.710	6.491	6.095	5.824	5.626
PL2-3/4 FL	20463	11.950	9.264	8.013	7.517	7.127	6.710	6.491	6.095	5.824	5.626
PL2-7/8 FL	19573	11.570	9.249	8.102	7.637	7.266	6.867	6.655	6.271	6.007	5.813
PL2-15/16 FL	22370	15.320	10.800	9.040	8.383	7.880	7.354	7.081	6.598	6.271	6.035
PL3 FL	21437	14.348	10.663	9.081	8.471	7.998	7.497	7.235	6.768	6.450	6.219
PL3-1/4 FL	20580	13.726	10.593	9.147	8.575	8.126	7.647	7.395	6.941	6.630	6.404
PL3-3/8 FL	23152	18.568	12.341	10.160	9.370	8.772	8.155	7.837	7.277	6.901	6.630
PL3-7/16 FL	22262	17.086	12.128	10.174	9.441	8.879	8.291	7.986	7.444	7.078	6.813
PL3-1/2 FL	22262	17.086	12.128	10.174	9.441	8.879	8.291	7.986	7.444	7.078	6.813
PL3-3/4 FL	21437	16.142	11.996	10.216	9.530	8.997	8.434	8.140	7.614	7.256	6.996
PL3-15/16 FL	21916	18.282	13.249	11.187	10.405	9.801	9.168	8.837	8.250	7.852	7.563
PL4 FL	21916	18.282	13.249	11.187	10.405	9.801	9.168	8.837	8.250	7.852	7.563