

# EF Metric Series

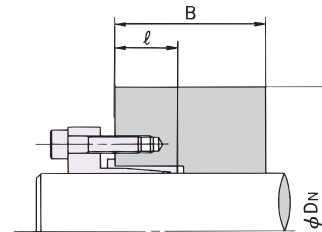
## Installing to hubs with a guide portion

when  $B \geq 2\ell$   
(See Installation Example A)

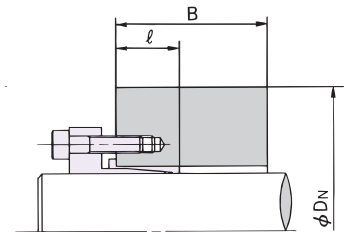
## Installing to hubs without a guide portion

when  $B \geq 2\ell$   
(See Installation Example B)

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



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



Installation Example B  
When installing to hubs without a guide portion, the hub configuration coefficient is as follows:  $K_3=0.8$

<EXAMPLE> Hub Material Yield Point = 35500 psi  
PL030X035EF = 3.346" min. hub diameter

### Min. Hub Dia. ( $D_N$ in inches)

Model Number	Hub Contact Pressure $P'$ (psi)	Yield Point and Material examples					
		245 Mpa	274 Mpa	294 Mpa	343 Mpa	392 Mpa	441 Mpa
		35500 psi	39700 psi	42600 psi	49700 psi	56900 psi	64000 psi
		1020	1030	1035 1040 1144	4140 1045	1055	
PL010X013 EF	32489	1.496	1.299	1.220	1.220	1.220	1.220
PL011X014 EF	30313	1.457	1.299	1.220	1.220	1.220	1.220
PL012X015 EF	28283	1.417	1.299	1.260	1.260	1.260	1.260
PL014X018 EF	23642	1.457	1.378	1.378	1.378	1.378	1.378
PL015X019 EF	22336	1.496	1.496	1.496	1.496	1.496	1.496
PL016X020 EF	31764	2.087	1.850	1.732	1.575	1.457	1.457
PL017X021 EF	30313	2.087	1.850	1.772	1.575	1.496	1.496
PL018X022 EF	31619	2.323	2.047	1.929	1.732	1.732	1.732
PL019X024 EF	29008	2.283	2.047	1.969	1.772	1.772	1.772
PL020X025 EF	27848	2.283	2.087	1.969	1.811	1.811	1.811
PL022X026 EF	26687	2.283	2.087	2.008	1.969	1.969	1.969
PL024X028 EF	24947	2.283	2.126	2.047	2.047	2.047	2.047
PL025X030 EF	23206	2.323	2.165	2.087	2.087	2.087	2.087
PL028X032 EF	32489	3.425	2.953	2.795	2.480	2.283	2.165
PL030X035 EF	29878	3.346	2.992	2.795	2.559	2.362	2.244
PL032X036 EF	29008	3.307	2.992	2.835	2.559	2.402	2.362
PL035X040 EF	22771	2.992	2.795	2.717	2.520	2.520	2.520
PL038X044 EF	29008	4.055	3.622	3.425	3.110	2.913	2.795
PL040X045 EF	23351	3.425	3.189	3.071	2.874	2.874	2.874
PL042X048 EF	29153	4.409	3.937	3.740	3.386	3.189	3.031
PL045X052 EF	30603	5.079	4.528	4.252	3.858	3.583	3.386
PL048X055 EF	28863	5.039	4.528	4.291	3.898	3.661	3.504
PL050X057 EF	27848	5.039	4.567	4.331	3.976	3.740	3.583
PL055X062 EF	25527	5.039	4.646	4.449	4.134	3.898	3.740
PL060X068 EF	20886	4.803	4.528	4.370	4.134	3.976	3.976
PL065X073 EF	25962	5.945	5.472	5.236	4.803	4.567	4.370
PL070X079 EF	22916	5.827	5.433	5.276	4.921	4.685	4.528
PL075X084 EF	26832	7.008	6.378	6.102	5.591	5.276	5.039
PL080X091 EF	22481	6.575	6.181	5.945	5.551	5.315	5.118
PL085X096 EF	27123	8.110	7.402	7.047	6.457	6.063	5.787
PL090X101 EF	25817	8.150	7.480	7.165	6.614	6.220	5.984
PL095X106 EF	24657	8.189	7.598	7.283	6.772	6.417	6.142
PL100X114 EF	20886	7.874	7.441	7.205	6.772	6.496	6.260
PL110X124 EF	19290	8.189	7.756	7.559	7.165	6.850	6.654
PL120X134 EF	21466	9.370	8.780	8.504	7.992	7.638	7.362