

U.S. TSUBAKI POWER-LOCK®

THIN PROFILE SERIES

EF Metric Series

Installing to hubs with a guide portion

when $l \leq B < 2l$

(See Installation Example C)

Installing to hubs without a guide portion

when $l \leq B < 2l$

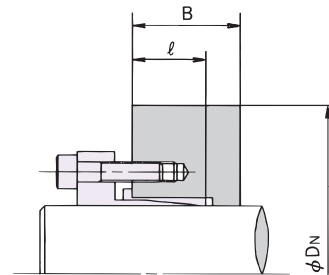
(See Installation Example D)

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

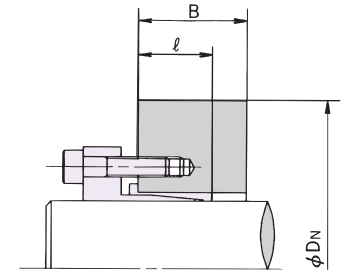
<EXAMPLE> Hub Material Yield Point = 35500 psi
 PL030X035EF = 4.882" min. hub diameter

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	64000 psi
PL010X013 EF	32489	2.638	1.811	1.575	1.299	1.299	1.299
PL011X014 EF	30313	2.126	1.654	1.496	1.299	1.299	1.299
PL012X015 EF	28283	1.929	1.614	1.496	1.299	1.299	1.299
PL014X018 EF	23642	1.772	1.575	1.496	1.378	1.378	1.378
PL015X019 EF	22336	1.732	1.575	1.496	1.496	1.496	1.496
PL016X020 EF	31764	3.465	2.520	2.244	1.850	1.654	1.535
PL017X021 EF	30313	3.110	2.402	2.165	1.850	1.693	1.575
PL018X022 EF	31619	3.780	2.756	2.441	2.047	1.850	1.693
PL019X024 EF	29008	3.189	2.598	2.362	2.047	1.890	1.772
PL020X025 EF	27848	3.031	2.559	2.362	2.087	1.890	1.890
PL022X026 EF	26687	2.953	2.520	2.362	2.087	1.929	1.929
PL024X028 EF	24947	2.835	2.520	2.362	2.126	1.969	1.969
PL025X030 EF	23206	2.795	2.520	2.402	2.165	2.047	2.047
PL028X032 EF	32489	6.220	4.213	3.661	2.953	2.638	2.441
PL030X035 EF	29878	4.882	3.858	3.504	2.992	2.677	2.520
PL032X036 EF	29008	4.685	3.780	3.465	2.992	2.717	2.520
PL035X040 EF	22771	3.583	3.228	3.071	2.795	2.638	2.520
PL038X044 EF	29008	5.709	4.646	4.213	3.622	3.307	3.071
PL040X045 EF	23351	4.134	3.740	3.543	3.189	2.992	2.835
PL042X048 EF	29153	6.260	5.079	4.606	3.937	3.583	3.346
PL045X052 EF	30603	7.795	5.984	5.354	4.528	4.055	3.780
PL048X055 EF	28863	7.047	5.748	5.276	4.528	4.134	3.858
PL050X057 EF	27848	6.772	5.669	5.236	4.567	4.173	3.898
PL055X062 EF	25527	6.378	5.551	5.236	4.646	4.291	4.055
PL060X068 EF	20886	5.591	5.118	4.921	4.528	4.252	4.094
PL065X073 EF	25962	7.638	6.614	6.181	5.472	5.039	4.764
PL070X079 EF	22916	7.008	6.339	5.984	5.433	5.118	4.843
PL075X084 EF	26832	9.213	7.835	7.283	6.378	5.866	5.512
PL080X091 EF	22481	7.874	7.126	6.772	6.181	5.787	5.512
PL085X096 EF	27123	10.748	9.094	8.425	7.402	6.772	6.378
PL090X101 EF	25817	10.433	9.055	8.465	7.480	6.929	6.535
PL095X106 EF	24657	10.197	9.016	8.465	7.598	7.047	6.654
PL100X114 EF	20886	9.213	8.465	8.071	7.441	7.008	6.732
PL110X124 EF	19290	9.409	8.701	8.386	7.756	7.362	7.087
PL120X134 EF	21466	11.024	10.039	9.606	8.780	8.268	7.874



Installation Example C
 When installing to hubs with a guide portion, the hub configuration coefficient is as follows: $K_3=1.0$



Installation Example D
 When installing to hubs without a guide portion, the hub configuration coefficient is as follows: $K_3=1.0$