

SELF CENTERING SERIES

AE Metric Series

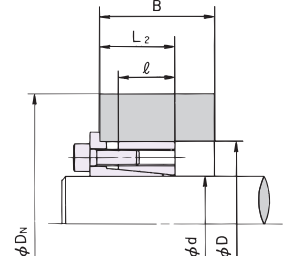
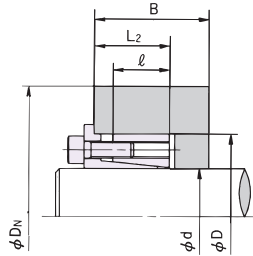
Installing to hubs with a guide portion

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

Installing to hubs without a guide portion

(See Installation Example C)

ϕD_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
PL030X055AE = 3.441" min. hub diameter

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

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

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	
PL019X047 AE	13490	3.901	3.331	3.001	2.872	2.759	2.635	2.568	2.444	2.357	2.292
PL020X047 AE	13490	3.901	3.331	3.001	2.872	2.759	2.635	2.568	2.444	2.357	2.292
PL022X047 AE	13490	3.901	3.331	3.001	2.872	2.759	2.635	2.568	2.444	2.357	2.292
PL024X050 AE	14800	4.631	3.815	3.388	3.210	3.066	2.910	2.827	2.675	2.569	2.491
PL025X050 AE	14800	4.631	3.815	3.388	3.210	3.066	2.910	2.827	2.675	2.569	2.491
PL028X055 AE	15380	5.379	4.346	3.825	3.611	3.441	3.257	3.158	2.980	2.857	2.767
PL030X055 AE	15380	5.379	4.346	3.825	3.611	3.441	3.257	3.158	2.980	2.857	2.767
PL032X060 AE	16400	6.532	5.059	4.375	4.104	3.890	3.662	3.542	3.326	3.178	3.070
PL035X060 AE	16400	6.532	5.059	4.375	4.104	3.890	3.662	3.542	3.326	3.178	3.070
PL038X065 AE	15090	6.183	5.047	4.461	4.220	4.026	3.816	3.704	3.500	3.358	3.254
PL040X065 AE	15090	6.183	5.047	4.461	4.220	4.026	3.816	3.704	3.500	3.358	3.254
PL042X075 AE	18860	11.919	7.616	6.209	5.708	5.332	4.946	4.748	4.400	4.168	4.000
PL045X075 AE	18860	11.919	7.616	6.209	5.708	5.332	4.946	4.748	4.400	4.168	4.000
PL048X080 AE	19730	15.975	8.796	6.962	6.343	5.889	5.429	5.196	4.791	4.523	4.332
PL050X080 AE	19730	15.975	8.796	6.962	6.343	5.889	5.429	5.196	4.791	4.523	4.332
PL055X085 AE	18570	12.731	8.422	6.925	6.384	5.975	5.553	5.336	4.953	4.697	4.512
PL060X090 AE	17700	11.623	8.324	7.002	6.504	6.121	5.719	5.511	5.140	4.889	4.707
PL065X095 AE	19880	na	10.596	8.339	7.586	7.034	6.478	6.197	5.709	5.387	5.157
PL070X110 AE	19150	na	11.458	9.256	8.485	7.910	7.323	7.023	6.498	6.148	5.897
PL075X115 AE	18280	na	11.127	9.223	8.525	7.994	7.443	7.159	6.656	6.318	6.074
PL080X120 AE	21040	na	15.203	11.333	10.160	9.330	8.515	8.109	7.417	6.966	6.647
PL085X125 AE	20170	na	14.359	11.167	10.125	9.367	8.608	8.225	7.565	7.130	6.820
PL090X130 AE	19440	na	13.905	11.122	10.166	9.457	8.737	8.371	7.732	7.308	7.004
PL095X135 AE	21910	na	na	13.541	11.981	10.909	9.880	9.376	8.525	7.978	7.594
PL100X145 AE	17850	na	na	11.366	10.544	9.915	9.256	8.915	8.308	7.899	7.603
PL110X155 AE	16830	na	na	11.543	10.793	10.208	9.587	9.261	8.677	8.279	7.989
PL120X165 AE	18860	na	na	13.659	12.557	11.731	10.881	10.445	9.680	9.169	8.802
PL130X180 AE	18720	na	na	14.781	13.608	12.725	11.814	11.347	10.525	9.974	9.579
PL140X190 AE	17850	na	na	14.893	13.817	12.992	12.129	11.681	10.887	10.350	9.962
PL150X200 AE	20310	na	na	18.029	16.317	15.078	13.840	13.218	12.146	11.441	10.940