

SELF-CENTERING SERIES

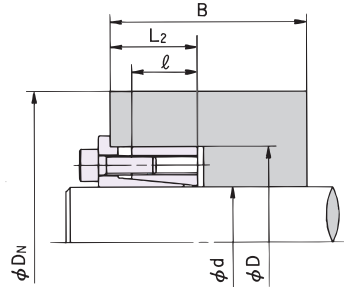
AE Inch Series

Installing to hubs with a guide portion

when $B \geq 2\ell$
(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
PL2AE = 5.061" min. hub diameter



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	AE	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
PL3/4	AE	13503	3.234	2.907	2.702	2.610	2.533	2.445	2.397	2.307	2.243	2.194
PL7/8	AE	13503	3.234	2.907	2.702	2.610	2.533	2.445	2.397	2.307	2.243	2.194
PL1	AE	14783	3.678	3.250	2.992	2.877	2.782	2.675	2.617	2.508	2.431	2.373
PL1-1/8	AE	15351	4.175	3.658	3.352	3.217	3.105	2.980	2.912	2.786	2.697	2.630
PL1-3/16	AE	15351	4.175	3.658	3.352	3.217	3.105	2.980	2.912	2.786	2.697	2.630
PL1-1/4	AE	16346	4.825	4.160	3.777	3.611	3.475	3.325	3.243	3.092	2.986	2.907
PL1-3/8	AE	16346	4.825	4.160	3.777	3.611	3.475	3.325	3.243	3.092	2.986	2.907
PL1-7/16	AE	15067	4.856	4.274	3.925	3.771	3.643	3.500	3.422	3.277	3.174	3.097
PL1-1/2	AE	15067	4.856	4.274	3.925	3.771	3.643	3.500	3.422	3.277	3.174	3.097
PL1-5/8	AE	18905	7.160	5.837	5.157	4.876	4.652	4.408	4.278	4.042	3.878	3.757
PL1-11/16	AE	18905	7.160	5.837	5.157	4.876	4.652	4.408	4.278	4.042	3.878	3.757
PL1-3/4	AE	18905	7.160	5.837	5.157	4.876	4.652	4.408	4.278	4.042	3.878	3.757
PL1-7/8	AE	19615	8.077	6.448	5.645	5.319	5.061	4.782	4.634	4.366	4.181	4.046
PL1-15/16	AE	19615	8.077	6.448	5.645	5.319	5.061	4.782	4.634	4.366	4.181	4.046
PL2	AE	19615	8.077	6.448	5.645	5.319	5.061	4.782	4.634	4.366	4.181	4.046
PL1-1/8	AE	18478	7.864	6.482	5.756	5.454	5.211	4.946	4.804	4.546	4.367	4.234
PL1-3/16	AE	18478	7.864	6.482	5.756	5.454	5.211	4.946	4.804	4.546	4.367	4.234
PL2-1/4	AE	17483	7.774	6.556	5.887	5.603	5.372	5.118	4.981	4.730	4.555	4.425
PL2-3/8	AE	17483	7.774	6.556	5.887	5.603	5.372	5.118	4.981	4.730	4.555	4.425
PL2-7/16	AE	19900	9.821	7.768	6.775	6.375	6.058	5.717	5.537	5.211	4.987	4.823
PL2-1/2	AE	19900	9.821	7.768	6.775	6.375	6.058	5.717	5.537	5.211	4.987	4.823
PL2-9/16	AE	19900	9.821	7.768	6.775	6.375	6.058	5.717	5.537	5.211	4.987	4.823
PL2-11/16	AE	19047	10.616	8.620	7.602	7.184	6.849	6.487	6.294	5.943	5.700	5.521
PL2-3/4	AE	19047	10.616	8.620	7.602	7.184	6.849	6.487	6.294	5.943	5.700	5.521
PL2-7/8	AE	18194	10.426	8.654	7.710	7.315	6.996	6.648	6.461	6.120	5.883	5.708
PL2-15/16	AE	18194	10.426	8.654	7.710	7.315	6.996	6.648	6.461	6.120	5.883	5.708
PL3	AE	20895	13.577	10.344	8.889	8.318	7.872	7.398	7.149	6.701	6.396	6.174
PL3-1/4	AE	20184	13.243	10.373	9.001	8.465	8.035	7.574	7.331	6.892	6.590	6.370
PL3-3/8	AE	20184	13.243	10.373	9.001	8.465	8.035	7.574	7.331	6.892	6.590	6.370
PL3-7/16	AE	19331	12.828	10.330	9.078	8.566	8.159	7.718	7.484	7.059	6.765	6.550
PL3-1/2	AE	19331	12.828	10.330	9.078	8.566	8.159	7.718	7.484	7.059	6.765	6.550
PL3-3/4	AE	21747	16.697	12.213	10.344	9.631	9.080	8.500	8.197	7.657	7.291	7.026
PL3-15/16	AE	17910	12.889	10.769	9.625	9.143	8.753	8.327	8.098	7.678	7.386	7.170
PL4	AE	17910	12.889	10.769	9.625	9.143	8.753	8.327	8.098	7.678	7.386	7.170