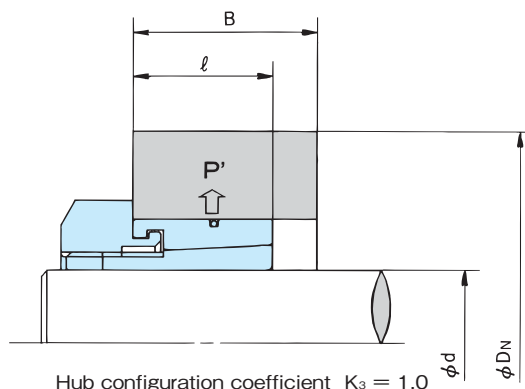


# Hub Diameters for ML Models

Hub diameters when  $B \geq \ell$

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



Hub configuration coefficient  $K_3 = 1.0$

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Minimum hub diameter  $\phi D_N(\text{mm})$

Model No.  d X D Shaft Diameter X Outer Diameter  mm	Tightening Torque	Yield Point of Hub Material $\sigma_{0.2}$											
		Contact Pressure Hub $P'$ MPa (kgf/mm <sup>2</sup> )	MPa kgf/mm <sup>2</sup>	147	176	206	225	245	274	294	343	392	441
				FC250	FC300 SS330 SC360	FC350 SS400 SC410 S10C	FC450 S15C SF440	FCD400 SS490 SC480 S20C SF490	S30C SF540	FCD450 S35C SF590	FCD500 S45C	FCD600 S55C	FCD700
PL 005 X 016 M	MA <sub>50</sub>	22.5	2.3	20	20	20	20	20	20	20	20	20	20
PL 006 X 016 M	MA <sub>75</sub>	33.3	3.4	21	20	20	20	20	20	20	20	20	20
PL 007 X 021 M	MA	45.0	4.6	22	21	20	20	20	20	20	20	20	20
PL 009 X 021 M	MA <sub>50</sub>	30.4	3.1	26	26	26	26	26	26	26	26	26	26
PL 010 X 024 M	MA <sub>75</sub>	46.1	4.7	30	28	27	26	26	26	26	26	26	26
PL 012 X 024 M	MA	60.0	6.1	33	30	29	28	27	27	26	26	26	26
PL 014 X 031 M	MA <sub>50</sub>	33.3	3.4	31	30	29	29	29	29	29	29	29	29
PL 016 X 031 M	MA <sub>75</sub>	51.9	5.3	35	33	32	31	30	30	29	29	29	29
PL 017 X 036 M	MA	68.0	6.9	40	36	34	33	32	31	31	30	29	29
PL 019 X 036 M	MA <sub>50</sub>	41.2	4.2	42	40	38	38	38	38	38	38	38	38
PL 020 X 041 M	MA <sub>75</sub>	60.8	6.2	49	45	43	41	40	39	39	38	38	38
PL 024 X 041 M	MA	81.0	8.3	58	51	47	46	44	42	42	42	39	38
PL 025 X 046 M	MA <sub>50</sub>	41.2	4.2	48	46	44	44	44	44	44	44	44	44
PL 028 X 046 M	MA <sub>75</sub>	60.8	6.2	56	52	49	48	47	46	45	44	44	44
PL 030 X 050 M	MA	80.0	8.2	65	59	55	53	51	49	48	46	45	44
PL 032 X 050 M	MA <sub>50</sub>	35.3	3.6	53	51	50	50	50	50	50	50	50	50
PL 033 X 050 M	MA <sub>75</sub>	53.9	5.5	61	57	54	53	52	50	50	50	50	50
PL 034 X 050 M	MA	71.0	7.2	70	63	59	57	56	54	53	51	50	50
PL 035 X 050 M	MA <sub>50</sub>	35.3	3.6	59	57	56	56	56	56	56	56	56	56
PL 036 X 050 M	MA <sub>75</sub>	51.9	5.3	67	63	60	59	57	56	56	56	56	56
PL 037 X 050 M	MA	70.0	7.1	77	70	66	64	62	60	59	57	56	56
PL 038 X 050 M	MA <sub>50</sub>	33.3	3.4	62	60	58	58	57	56	56	55	54	53
PL 039 X 050 M	MA <sub>75</sub>	49.0	5.0	70	66	63	62	61	59	59	57	56	55
PL 040 X 050 M	MA	66.0	6.7	80	73	69	67	65	63	62	60	59	58

Note) 1. The above figures do not take safety rates into account. Consider them prior to operation.