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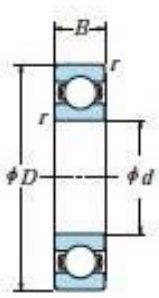
LAMPIRAN

Bore Diameter 25 – 45 mm



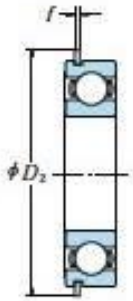
Open Type

Shielded Type
ZZ

Non-Contact
Sealed Type
VV

Contact
Sealed Type
DD · DDU

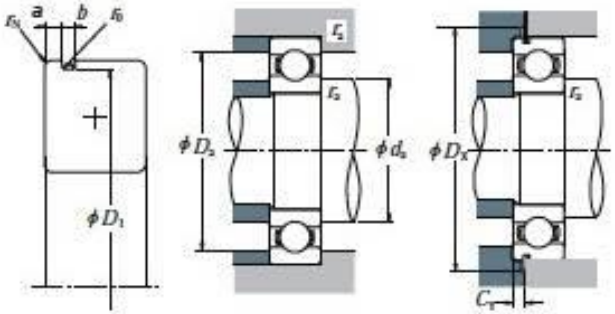
With Snap
Ring Groove
N



With
Snap Ring
NR

Boundary Dimensions (mm)				Basic Load Ratings (N)		Basic Load Ratings (kgf)		Factor	Limiting Speeds (min⁻¹) Grease		Limiting Speeds (min⁻¹) Oil	Bearing Numbers		
d	D	B	r min.	C_r	C_{0r}	C_r	C_{0r}	f_0	Open Z · ZZ V · VV	DU DDU	Open Z	Open	Shielded	Sealed
25	37	7	0.3	4 500	3 150	455	320	16.1	18 000	10 000	22 000	6805	ZZ	VV DD
	42	9	0.3	7 050	4 550	715	460	15.4	16 000	10 000	19 000	6905	ZZ	VV DDU
	47	8	0.3	8 850	5 600	905	570	15.1	15 000	—	18 000	16005	—	— —
	47	12	0.6	10 100	5 850	1 030	595	14.5	15 000	9 500	18 000	6005	ZZ	VV DDU
	52	15	1	14 000	7 850	1 430	800	13.9	13 000	9 000	15 000	6205	ZZ	VV DDU
	62	17	1.1	20 600	11 200	2 100	1 150	13.2	11 000	8 000	13 000	6305	ZZ	VV DDU
28	52	12	0.6	12 500	7 400	1 270	755	14.5	14 000	8 500	16 000	60/28	ZZ	VV DDU
	58	16	1	16 600	9 500	1 700	970	13.9	12 000	8 000	14 000	62/28	ZZ	VV DDU
	68	18	1.1	26 700	14 000	2 730	1 430	12.4	10 000	7 500	13 000	63/28	ZZ	VV DDU
30	42	7	0.3	4 700	3 650	480	370	16.4	15 000	9 000	18 000	6806	ZZ	VV DD
	47	9	0.3	7 250	5 000	740	510	15.8	14 000	8 500	17 000	6906	ZZ	VV DDU
	55	9	0.3	11 200	7 350	1 150	750	15.2	13 000	—	15 000	16006	—	— —
	55	13	1	13 200	8 300	1 350	845	14.7	13 000	8 000	15 000	6006	ZZ	VV DDU
	62	16	1	19 500	11 300	1 980	1 150	13.8	11 000	7 500	13 000	6206	ZZ	VV DDU
	72	19	1.1	26 700	15 000	2 720	1 530	13.3	9 500	6 700	12 000	6306	ZZ	VV DDU
32	58	13	1	15 100	9 150	1 530	935	14.5	12 000	7 500	14 000	60/32	ZZ	VV DDU
	65	17	1	20 700	11 600	2 120	1 190	13.6	10 000	7 100	12 000	62/32	ZZ	VV DDU
	75	20	1.1	29 900	17 000	3 050	1 730	13.2	9 000	6 300	11 000	63/32	ZZ	VV DDU
35	47	7	0.3	4 900	4 100	500	420	16.7	14 000	7 500	16 000	6807	ZZ	VV DD
	55	10	0.6	10 600	7 250	1 080	740	15.5	12 000	7 500	15 000	6907	ZZ	VV DDU
	62	9	0.3	11 700	8 200	1 190	835	15.6	11 000	—	13 000	16007	—	— —
	62	14	1	16 000	10 300	1 630	1 050	14.8	11 000	6 700	13 000	6007	ZZ	VV DDU
	72	17	1.1	25 700	15 300	2 620	1 560	13.8	9 500	6 300	11 000	6207	ZZ	VV DDU
	80	21	1.5	33 500	19 200	3 400	1 960	13.2	8 500	6 000	10 000	6307	ZZ	VV DDU
40	52	7	0.3	6 350	5 550	650	565	17.0	12 000	6 700	14 000	6808	ZZ	VV DD
	62	12	0.6	13 700	10 000	1 390	1 020	15.7	11 000	6 300	13 000	6908	ZZ	VV DDU
	68	9	0.3	12 600	9 650	1 290	985	16.0	10 000	—	12 000	16008	—	— —
	68	15	1	16 800	11 500	1 710	1 180	15.3	10 000	6 000	12 000	6008	ZZ	VV DDU
	80	18	1.1	29 100	17 900	2 970	1 820	14.0	8 500	5 600	10 000	6208	ZZ	VV DDU
	90	23	1.5	40 500	24 000	4 150	2 450	13.2	7 500	5 300	9 000	6308	ZZ	VV DDU
45	58	7	0.3	6 600	6 150	670	625	17.2	11 000	6 000	13 000	6809	ZZ	VV DD
	68	12	0.6	14 100	10 900	1 440	1 110	15.9	9 500	5 600	12 000	6909	ZZ	VV DDU
	75	10	0.6	14 900	11 400	1 520	1 160	15.9	9 000	—	11 000	16009	—	— —
	75	16	1	20 900	15 200	2 140	1 550	15.3	9 000	5 300	11 000	6009	ZZ	VV DDU
	85	19	1.1	31 500	20 400	3 200	2 080	14.4	7 500	5 300	9 000	6209	ZZ	VV DDU
	100	25	1.5	53 000	32 000	5 400	3 250	13.1	6 700	4 800	8 000	6309	ZZ	VV DDU

Notes (1) For tolerances for the snap ring grooves and snap ring dimensions, refer to Pages **A50** to **A53**.
(2) When heavy axial loads are applied, increase d_a and decrease D_a from the above values.
(3) Ring types N and NR applicable only to open-type bearings. Please consult NSK about the snap ring groove dimensions of sealed or shielded bearings.
(4) Not conformed to ISO15.



Dynamic Equivalent Load

$P = XF_r + YF_a$

$\frac{f_0F_a}{C_{0r}}$	e	$\frac{F_a}{F_r} \le e$ X	$\frac{F_a}{F_r} \le e$ Y	$\frac{F_a}{F_r} > e$ X	$\frac{F_a}{F_r} > e$ Y
0.172	0.19	1	0	0.56	2.30
0.345	0.22	1	0	0.56	1.99
0.689	0.26	1	0	0.56	1.71
1.03	0.28	1	0	0.56	1.55
1.38	0.30	1	0	0.56	1.45
2.07	0.34	1	0	0.56	1.31
3.45	0.38	1	0	0.56	1.15
5.17	0.42	1	0	0.56	1.04
6.89	0.44	1	0	0.56	1.00

Static Equivalent Load

$\frac{F_a}{F_r} > 0.8,\ P_0 = 0.6F_r + 0.5F_a$

$\frac{F_a}{F_r} \le 0.8,\ P_0 = F_r$

With Snap Ring Groove	With Snap Ring	Snap Ring Groove Dimensions (1) (mm) a max.	b min.	D_1 max.	r_0 max.	r_N min.	Snap Ring (1) Dimensions (mm) D_2 max.	f max.	Abutment and Fillet Dimensions (mm) d_a (2) min.	d_a (2) max.	D_a (2) max.	r_a max.	D_x min.	C_Y max.	Mass (kg) approx.
N	NR	1.3	0.95	35.7	0.25	0.3	39.8	0.85	27	27	35	0.3	40.5	1.8	0.021
N(3)	NR(3)	1.7	0.95	40.7	0.25	0.3	44.8	0.85	27	28.5	40	0.3	45.5	2.3	0.042
—	—	—	—	—	—	—	—	—	27	—	45	0.3	—	—	0.059
N	NR	2.06	1.35	44.6	0.4	0.5	52.7	1.12	29	30	43	0.6	53.5	2.9	0.079
N	NR	2.46	1.35	49.73	0.4	0.5	57.9	1.12	30	32	47	1	58.5	3.3	0.129
N	NR	3.28	1.9	59.61	0.6	0.5	67.7	1.7	31.5	36	55.5	1	68.5	4.6	0.235
N	NR	2.06	1.35	49.73	0.4	0.5	57.9	1.12	32	34	48	0.6	58.5	2.9	0.096
N	NR	2.46	1.35	55.6	0.4	0.5	63.7	1.12	33	35.5	53	1	64.5	3.3	0.175
N	NR	3.28	1.9	64.82	0.6	0.5	74.6	1.7	34.5	38	61.5	1	76	4.6	0.287
N	NR	1.3	0.95	40.7	0.25	0.3	44.8	0.85	32	32	40	0.3	45.5	1.8	0.024
N	NR	1.7	0.95	45.7	0.25	0.3	49.8	0.85	32	34	45	0.3	50.5	2.3	0.052
—	—	—	—	—	—	—	—	—	32	—	53	0.3	—	—	0.087
N	NR	2.08	1.35	52.6	0.4	0.5	60.7	1.12	35	36.5	50	1	61.5	2.9	0.116
N	NR	3.28	1.9	59.61	0.6	0.5	67.7	1.7	35	38.5	57	1	68.5	4.6	0.199
N	NR	3.28	1.9	68.81	0.6	0.5	78.6	1.7	36.5	42.5	65.5	1	80	4.6	0.345
N	NR	2.08	1.35	55.6	0.4	0.5	63.7	1.12	37	38.5	53	1	64.5	2.9	0.122
N	NR	3.28	1.9	62.6	0.6	0.5	70.7	1.7	37	40	60	1	71.5	4.6	0.225
N	NR	3.28	1.9	71.83	0.6	0.5	81.6	1.7	38.5	44.5	68.5	1	83	4.6	0.389
N	NR	1.3	0.95	45.7	0.25	0.3	49.8	0.85	37	37	45	0.3	50.5	1.8	0.027
N	NR	1.7	0.95	53.7	0.25	0.5	57.8	0.85	39	39	51	0.6	58.5	2.3	0.075
—	—	—	—	—	—	—	—	—	37	—	60	0.3	—	—	0.107
N	NR	2.08	1.9	59.61	0.6	0.5	67.7	1.7	40	41.5	57	1	68.5	3.4	0.151
N	NR	3.28	1.9	68.81	0.6	0.5	78.6	1.7	41.5	44.5	65.5	1	80	4.6	0.284
N	NR	3.28	1.9	76.81	0.6	0.5	86.6	1.7	43	47	72	1.5	88	4.6	0.464
N	NR	1.3	0.95	50.7	0.25	0.3	54.8	0.85	42	42	50	0.3	55.5	1.8	0.031
N	NR	1.7	0.95	60.7	0.25	0.5	64.8	0.85	44	46	58	0.6	65.5	2.3	0.112
—	—	—	—	—	—	—	—	—	42	—	66	0.3	—	—	0.13
N	NR	2.49	1.9	64.82	0.6	0.5	74.6	1.7	45	47.5	63	1	76	3.8	0.19
N	NR	3.28	1.9	76.81	0.6	0.5	86.6	1.7	46.5	50.5	73.5	1	88	4.6	0.366
N	NR	3.28	2.7	86.79	0.6	0.5	96.5	2.46	48	53	82	1.5	98	5.4	0.636
N	NR	1.3	0.95	56.7	0.25	0.3	60.8	0.85	47	47.5	56	0.3	61.5	1.8	0.038
N	NR	1.7	0.95	66.7	0.25	0.3(4)	70.8	0.85	49	50	64	0.6	72	2.3	0.126
—	—	—	—	—	—	—	—	—	49	—	71	0.6	—	—	0.167
N	NR	2.49	1.9	71.83	0.6	0.5	81.6	1.7	50	53.5	70	1	83	3.8	0.241
N	NR	3.28	1.9	81.81	0.6	0.5	91.6	1.7	51.5	55.5	78.5	1	93	4.6	0.42
N	NR	3.28	2.7	96.8	0.6	0.5	106.5	2.46	53	61.5	92	1.5	108	5.4	0.829

Remarks 1. Diameter Series 7 (extra thin section bearings) are also available, please contact NSK.
2. When using bearings with rotating outer rings, contact NSK if they are sealed, shielded, or have snap rings.

C.4 Ukuran Pipa Berdasarkan JIS (*Japan International Standart*)

Ukuran pipa yang ditetapkan oleh JIS (*Japan International Standart*) terdapa

pada tabel 6.2.

Tabel 6.2.

Standart Ukuran Pipa Baja menurut "JIS" tahun 2002

Inside Diameter (mm)	*Nominal Size* (inch)	*Outside Diameter* (mm)	*SGP Tebal Min* (mm)	*Schedule 40* (mm)	*Schedule 80* (mm)
6	¼	10.5	2.0	1.7	2.4
10	3/8	17.3	2.3	2.3	3.2
15	½	21.7	2.8	2.8	3.7
20	¾	27.2	3.2	2.9	3.9
25	1	34.0	3.5	3.4	4.5
32	1 ¼	42.7	3.5	3.6	4.9
40	1 ½	48.6	3.8	3.7	5.1
50	2	60.5	4.2	3.9	5.5
65	2 ½	76.3	4.2	5.2	7.0
80	3	89.1	4.5	5.5	7.6
100	4	114.3	4.5	6.0	8.6
125	5	139.8	5.0	6.6	9.5
150	6	165.2	5.8	7.1	11.0
200	8	216.3	6.6	8.2	12.7
250	10	267.4	6.9	9.3	-
300	12	318.5	7.9	10.3	-
250	14	355.6	7.9	11.1	-
400	16	406.4	-	12.7	-
450	18	457.2	-	-	-
500	20	508.0	-	-	-

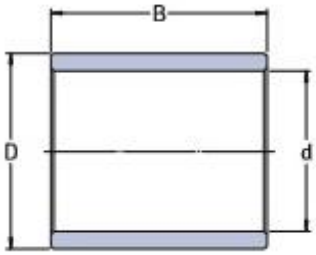
SKF solid bronze – straight bushings

d 5 – 250 mm

Designation system

PBM 20 28 20

- PBM
  - P: Plain bearing
  - B: Solid bronze
  - M: Metric
- 20: d
- 28: D
- 20: B

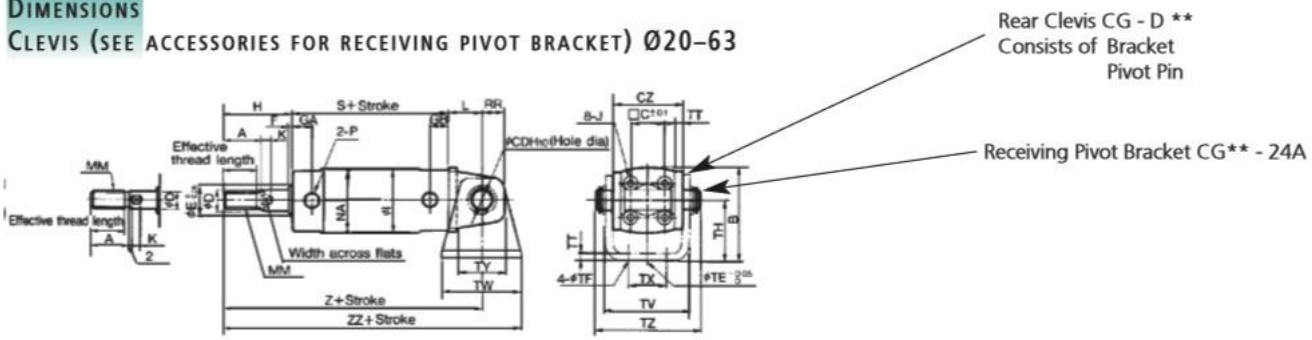


Designation[1]	d	D	B	Designation[1]	d	D	B
	mm	mm	mm		mm	mm	mm
PBM 051006 M1	5	10	6	PBM 223220 M1G1	22	32	20
PBM 051008 M1	5	10	8	PBM 223230 M1G1	22	32	30
PBM 051010 M1	5	10	10	PBM 223240 M1G1	22	32	40
PBM 061206 M1	6	12	6	PBM 253525 M1G1	25	35	25
PBM 061208 M1	6	12	8	PBM 253535 M1G1	25	35	35
PBM 061212 M1	6	12	12	PBM 253550 M1G1	25	35	50
PBM 071208 M1	7	12	8	PBM 284025 M1G1	28	40	25
PBM 071210 M1	7	12	10	PBM 284035 M1G1	28	40	35
PBM 071212 M1	7	12	12	PBM 284050 M1G1	28	40	50
PBM 081408 M1	8	14	8	PBM 304030 M1G1	30	40	30
PBM 081412 M1	8	14	12	PBM 304045 M1G1	30	40	45
PBM 081416 M1	8	14	16	PBM 304060 M1G1	30	40	60
PBM 091410 M1	9	14	10	PBM 354535 M1G1	35	45	35
PBM 091416 M1	9	14	16	PBM 354550 M1G1	35	45	50
PBM 091420 M1	9	14	20	PBM 354570 M1G1	35	45	70
PBM 101610 M1	10	16	10	PBM 405040 M1G1	40	50	40
PBM 101616 M1	10	16	16	PBM 405060 M1G1	40	50	60
PBM 101620 M1	10	16	20	PBM 405080 M1G1	40	50	80
PBM 121812 M1	12	18	12	PBM 455545 M1G1	45	55	45
PBM 121816 M1	12	18	16	PBM 455560 M1G1	45	55	60
PBM 121825 M1	12	18	25	PBM 455580 M1G1	45	55	80
PBM 142012 M1G1	14	20	12	PBM 506050 M1G1	50	60	50
PBM 142020 M1G1	14	20	20	PBM 506070 M1G1	50	60	70
PBM 142030 M1G1	14	20	30	PBM 5060100 M1G1	50	60	100
PBM 152216 M1G1	15	22	16	PBM 557050 M1G1	55	70	50
PBM 152220 M1G1	15	22	20	PBM 557070 M1G1	55	70	70
PBM 152230 M1G1	15	22	30	PBM 5570100 M1G1	55	70	100
PBM 162216 M1G1	16	22	16	PBM 607560 M1G1	60	75	60
PBM 162220 M1G1	16	22	20	PBM 607590 M1G1	60	75	90
PBM 162230 M1G1	16	22	30	PBM 6075120 M1G1	60	75	120
PBM 172516 M1G1	17	25	16	PBM 658060 M1G1	65	80	60
PBM 172520 M1G1	17	25	20	PBM 658090 M1G1	65	80	90
PBM 172530 M1G1	17	25	30	PBM 6580120 M1G1	65	80	120
PBM 182516 M1G1	18	25	16	PBM 708560 M1G1	70	85	60
PBM 182520 M1G1	18	25	20	PBM 708590 M1G1	70	85	90
PBM 182530 M1G1	18	25	30	PBM 7085120 M1G1	70	85	120
PBM 202820 M1G1	20	28	20	PBM 759070 M1G1	75	90	70
PBM 202830 M1G1	20	28	30	PBM 7590100 M1G1	75	90	100
PBM 202840 M1G1	20	28	40	PBM 7590140 M1G1	75	90	140

[1] M1 = bronze material CuSn7Zn4Pb7-B (see page 4), G1 = lubrication groove
Other dimensions available on request

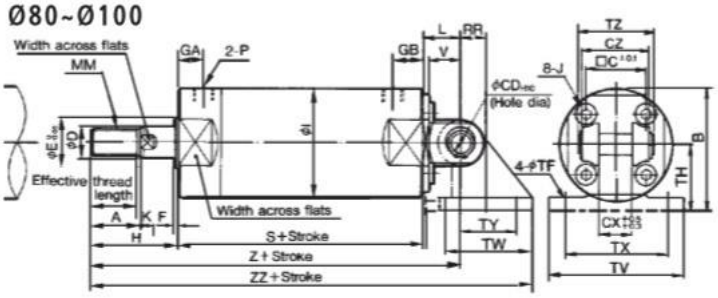
DIMENSIONS

CLEVIS (SEE ACCESSORIES FOR RECEIVING PIVOT BRACKET) Ø20–63



Bore (mm)	V	øTE	øTF	TH	TT	TV	TW	TX	TY	TZ	H	Z	ZZ
20	—	10	5.5	25	3.2	35.8	42	16	28	43.4	35	118	139
25	—	10	5.5	30	3.2	39.8	42	20	28	48	40	125	146
32	—	10	6.6	35	4.5	49.4	48	22	28	59.4	40	131	155
40	—	10	6.6	40	4.5	58.4	56	30	30	71.4	50	150	178
50	—	20	9	50	6	72.4	64	36	36	86	58	173	205
63	—	20	11	60	8	90.4	74	46	46	105.4	58	178	215
80	25	—	11	55	11	110	72	85	45	64	71	214	272.5
100	31	—	13.5	65	12	130	93	100	60	72	71	222	298.5

Ø80~Ø100



Bore (mm)	Stroke range (mm)	Effective thread length	A	□B	□C	ØD	ØE	F	GA	GB	ØI	J	K	KA	MM	NA	P	S	øCDH10	CX	CZ	L	RR
20	~200	15.5	18	38	14	8	12	2	12	12	26	M4x0.7	4	6	M8x1.5	24	1/8	69	$8^{+0.058}_{0}$	—	29	14	11
25	~300	19.5	22	45.5	16.5	10	14	2	12	12	31	M5x0.8	5	8	M10x1.25	29	1/8	69	$10^{+0.058}_{0}$	—	33	16	13
32	~300	19.5	22	54	20	12	18	2	12	11	38	M5x0.8	5.5	10	M10x1.25	36	1/8	71	$12^{+0.070}_{0}$	—	40	20	15
40	~300	27	30	63.5	26	16	25	2	13	12	47	M6x1	6	14	M14x1.5	44	1/8	78	$14^{+0.070}_{0}$	—	49	22	18
50	~300	32	35	79	32	20	30	2	14	13	58	M8x1.25	7	18	M18x1.5	55	1/4	90	$16^{+0.070}_{0}$	—	60	25	20
63	~300	32	35	96	38	20	32	2	14	13	72	M10x1.5	7	18	M18x1.5	69	1/4	90	$18^{+0.070}_{0}$	—	74	30	22
80	~300	37	40	99.5	50	25	40	3	20	20	89	M10x1.5	11	22	M22x1.5	80	3/8	108	$18^{+0.070}_{0}$	28	56	35	18
100	~300	37	40	120	60	30	50	3	20	20	110	M12x1.75	11	26	M26x1.5	100	1/2	108	$22^{+0.084}_{0}$	32	64	43	22

Tabel 13.5 Suaian untuk tujuan-tujuan umum.

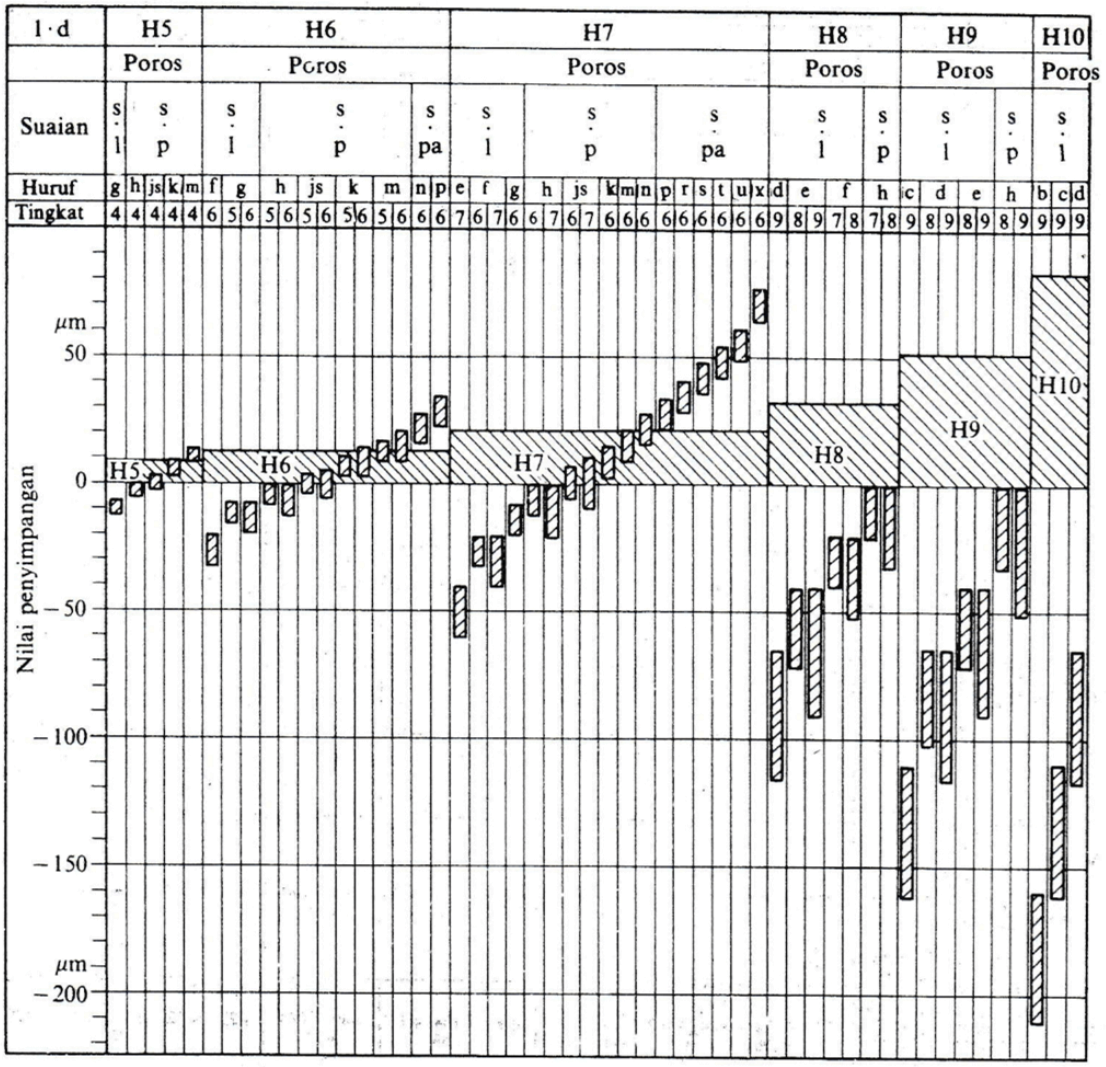
Sistim lubang dasar

Lubang dasar	Lambang dan kwalitas untuk poros																
	Suaian longgar						Suaian pas				Suaian paksa						
	b	c	d	e	f	g	h	js	k	m	n	p	r	s	t	u	x
H 5						4	4	4	4	4							
H 6						5	5	5	5	5							
					6	6	6	6	6	6	6	6					
H 7				(6)	6	6	6	6	6	6	6	6	6	6	6	6	6
				7	7	(7)	7	7	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)
H 8					7		7										
				8	8		8										
				9													
H 9				8			8										
		9	9	9			9										
H 10	9	9	9														

Sistim poros dasar

Poros dasar	Lambang dan kwalitas untuk lubang																
	Suaian longgar						Suaian pas				Suaian paksa						
	B	C	D	E	F	G	H	Js	K	M	N	P	R	S	T	U	X
h 4							5	5	5	5							
h 5							6	6	6	6	6	6					
h 6					6	6	6	6	6	6	6	6					
				(7)	7	7	7	7	7	7	7	7	7	7	7	7	7
h 7				7	7	(7)	7	(7)	(7)	(7)	(7)	(7)	(7)	(7)			
					8		8										
h 8			8	8	8		8										
			9	9			9										
h 9			8	8			8										
		9	9	9			9										
	10	10	10														

Nilai numerik dari penyimpangan suaian untuk tujuan-tujuan umum dalam sistim lubang dasar dan sistim poros dasar masing-masing diberikan dalam Tabel 13.6 dan 13.7.



Catatan: Singkatan-singkatan l.d, s.l, s.p dan s.pa berarti lubang dasar, suaian longgar, suaian pas dan suaian paksa

Gb. 13.6 Bagan diagram suaian dalam sistim satuan lubang (Ukuran lubang 30 mm).

Tabel 13.6 (a) Nilai penyimpangan lubang untuk tujuan umum.

Satuan μm

Tingkat diameter (mm)		B	C		D			E			F			G		H					
>	to	B 10	C 9	C 10	D 8	D 9	D 10	E 7	E 8	E 9	F 6	F 7	F 8	G 6	G 7	H 5	H 6	H 7	H 8	H 9	H 10
—	3	+180 +140	+85	+100 +60	+34	+45 +20	+60	+24	+28 +14	+39	+12	+16 +6	+20	+8	+12 +10	+4	+6	+10 0	+14	+25	+40
3	6	+188 +140	+100	+118 +70	+48	+60 +30	+78	+32	+38 +20	+50	+18	+22 +10	+28	+12	+16 +4	+5	+8	+12 0	+18	+30	+48
6	10	+203 +150	+116	+138 +80	+62	+76 +40	+98	+40	+47 +25	+61	+22	+28 +13	+35	+14	+20 +5	+6	+9	+15 0	+22	+36	+58
10	14	+220 +150	+138	+165 +95	+77	+93 +50	+120	+50	+59 +32	+75	+27	+34 +16	+43	+17	+24 +6	+8	+11	+18 0	+27	+43	+70
14	18																				
18	24	+244 +160	+162	+194 +110	+98	+117 +65	+149	+61	+73 +40	+92	+33	+41 +20	+53	+20	+28 +7	+9	+13	+21 0	+33	+52	+84
24	30																				
30	40	+270 +170	+182	+220 +120	+119	+142 +80	+180	+75	+89 +50	+112	+41	+50 +25	+64	+25 +9	+34	+11	+16	+25 0	+39	+62	+100
40	50	+280 +180	+192	+230 +130																	
50	65	+310 +190	+214	+260 +140	+146	+174 +100	+220	+90	+106 +60	+134	+49	+60 +30	+76	+29 +10	+40	+13	+19	+30 0	+46	+74	+120
65	80	+320 +200	+224	+270 +150																	
80	100	+360 +220	+257	+310 +170	+174	+207 +120	+260	+107	+126 +72	+159	+58	+71 +36	+90	+34	+47 +12	+15	+22	+35 0	+54	+87	+140
100	120	+380 +240	+267	+320 +180																	
120	140	+420 +260	+300	+360 +200																	
140	160	+440 +280	+310	+370 +210	+208	+245 +145	+305	+125	+148 +85	+185	+68	+83 +43	+106	+39	+54 +14	+18	+25	+40 0	+63	+100	+160
160	180	+470 +310	+330	+390 +230																	
180	200	+525 +340	+355	+425 +240																	
200	225	+565 +380	+375	+445 +260	+242	+285 +170	+355	+146	+172 +100	+215	+79	+96 +50	+122	+44	+61 +15	+20	+29	+46 0	+72	+115	+185
225	250	+605 +420	+395	+465 +280																	
250	280	+690 +480	+430	+510 +300	+271	+320 +190	+400	+162	+191 +110	+240	+88	+108 +56	+137	+49	+69 +17	+23	+32	+52 0	+81	+130	+210
280	315	+750 +540	+460	+540 +330																	
315	355	+830 +600	+500	+590 +360	299	+350 +210	+440	+182	+214 +125	+265	+98	+119 +62	+151	+54	+75 +18	+25	+36	+57 0	+89	+140	+230
355	400	+910 +680	+540	+630 +400																	
400	450	+1010 +760	+595	+690 +440	+327	+385 +230	+480	+198	+232 +135	+290	+108	+131 +68	+165	+60	+83 +20	+27	+40	+63 0	+97	+155	+250
450	500	+1090 +840	+635	+730 +480																	

Catatan: Nilai atas menunjukkan penyimpangan atas, dan nilai bawah penyimpangan bawah.

Tabel 13.7 (a) . Nilai penyimpangan poros untuk tujuan umum.

Satuan μm

Tingkat diameter (mm)		b	c	d		e			f			g			h					
>	to	b 9	c 9	d 8	d 9	e 7	e 8	e 9	f 6	f 7	f 8	g 4	g 5	g 6	h 4	h 5	h 6	h 7	h 8	h 9
—	3	−140 −165	−60 −85	−20 −34	−45		−14 −24 −28	−39	−6 −12 −16		−20		−2 −5 −6	−8			0 −3 −4 −6	−10	−14	−25
3	6	−140 −170	−70 −100	−30 −48	−60		−20 −32 −38	−50	−10 −18 −22		−28		−4 −8 −9	−12			0 −4 −5 −8	−12	−18	−30
6	10	−150 −186	−80 −116	−40 −62	−76		−25 −40 −47	−61	−13 −22 −28		−35		−5 −9 −11	−14			0 −4 −6 −9	−15	−22	−36
10	14	−150	−95	−50			−32		−16				−6				0			
14	18	−193	−138	−77	−93		−50 −59	−75	−27 −34		−43		−11 −14	−17			−5 −8 −11	−18	−27	−43
18	24	−160	−110	−65			−40		−20				−7				0			
24	30	−212	−162	−98	−117		−61 −73	−92	−33 −41		−53		−13 −16	−20			−6 −9 −13	−21	−33	−52
30	40	−170 −232	−120 −182	−80			−50		−25				−9				0			
40	50	−180 −242	−130 −192	−119	−142		−75 −89	−112	−41 −50		−64		−16 −20	−25			−7 −11 −16	−25	−39	−62
50	65	−190 −261	−140 −214	−100			−60		−30				−10				0			
65	80	−200 −274	−150 −224	−146	−174		−90 −106	−134	−49 −60		−76		−18 −23	−29			−8 −13 −19	−30	−46	−74
80	100	−220 −307	−170 −257	−120			−72		−36				−12				0			
100	120	−240 −327	−180 −267	−174	−207		−107 −126	−159	−58 −71		−90		−22 −27	−34			−10 −15 −22	−35	−54	−87
120	140	−260 −360	−200 −300																	
140	160	−280 −380	−210 −310	−145 −208	−245		−85 −125 −148	−185	−43 −68 −83		−106		−14 −26 −32	−39			0 −12 −18 −25	−40	−63	−100
160	180	−310 −410	−230 −330																	
180	200	−340 −455	−240 −355																	
200	225	−380 −495	−260 −375	−170 −242	−285		−100 −146 −172	−215	−50 −79 −96		−122		−15 −29 −35	−44			0 −14 −20 −29	−46	−72	−115
225	250	−420 −535	−280 −395																	
250	280	−480 −610	−300 −430	−190			−110		−56				−17				0			
280	315	−540 −670	−330 −460	−271	−320		−162 −191	−240	−88 −108		−137		−33 −40	−49			−16 −23 −32	−52	−81	−130
315	355	−600 −740	−360 −500	−210			−125		−62				−18				0			
355	400	−680 −820	−400 −540	−299	−350		−182 −214	−265	−98 −119		−151		−36 −43	−54			−18 −25 −36	−57	−89	−140
400	450	−760 −915	−440 −595	−230			−135		−68				−20				0			
450	500	−840 −995	−480 −635	−327	−385		−198 −232	−290	−108 −131		−165		−40 −47	−60			−20 −27 −40	−63	−97	−155

Catatan: Nilai atas menunjukkan penyimpangan atas dan nilai bawah penyimpangan bawah