



Super Ball Bushing® Bearings



High performance from superior design:

- A coefficient of friction as low as 0.001. This allows the use of smaller, less expensive motors, belts, gears and ball screws when replacing high-friction, plain bearings.
- A self-aligning capability up to 0.5° compensates for inaccuracies in base flatness or carriage machining. Achieved with Thomson Super Bearing plates, which have defined radius crowns for maximized self-alignment accuracy.
- Accelerations as high as 150 m/s² and steady state travel speeds up to 3 m/s without the derating factors commonly required with linear guides.
- Double-lip, integral wipers that keep out dirt while retaining lubrication. Travel life is maximized.
- Lightweight, wear-resistant, engineered polymer retainers and outer sleeves that reduce inertia and noise.
- Adjustable, closed and open configurations.

Quick-to-ship, drop-in replacement parts for existing applications:

- Dimensional interchangeable with competitive and legacy applications.
- Easy to order with local manufacturer's stock available in Europe and North America.

Genuine Thomson Quality:

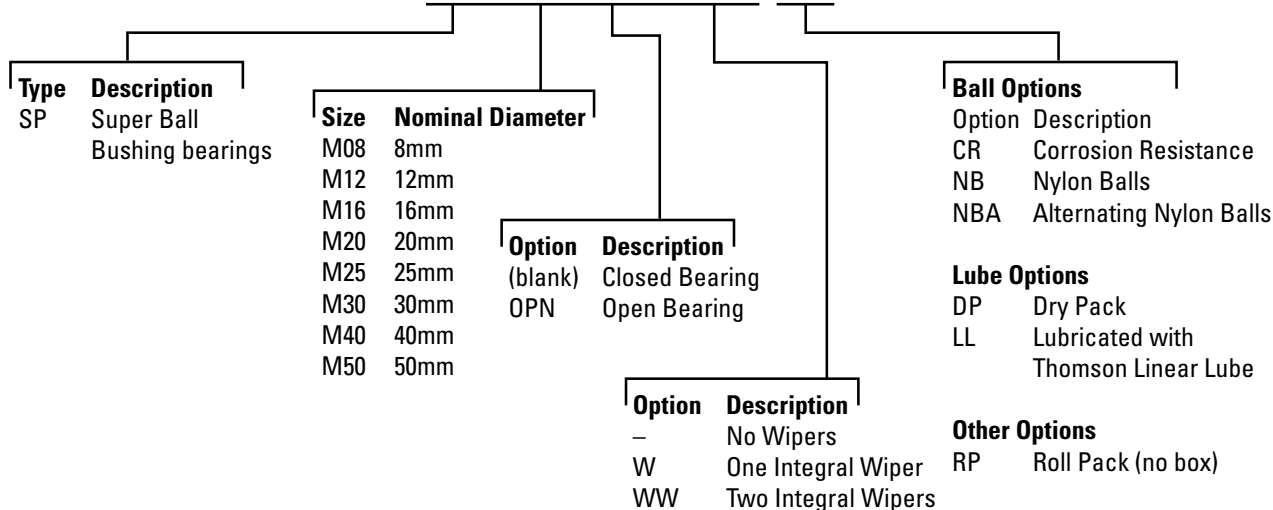
- Thomson Ball Bushing Bearings in combination with 60 Case® shafting last longer and carry significantly more load than conventional linear bearings, allowing you to reduce component size, saving space and cost. Thomson is the one and only name you'll need when choosing a round rail solution.
- To complete your application with genuine Thomson 60 Case shafting and shaft supports, please visit www.thomsonlinear.com
- Thomson is the innovator of linear bearings and has supplied superior quality product to the linear industry for more than 70 years. Superior Thomson quality translates to better reliability and performance.

Thomson RoundRail Linear Guides and Components

Part Number Description and Specification

Super Ball Bushing Bearings

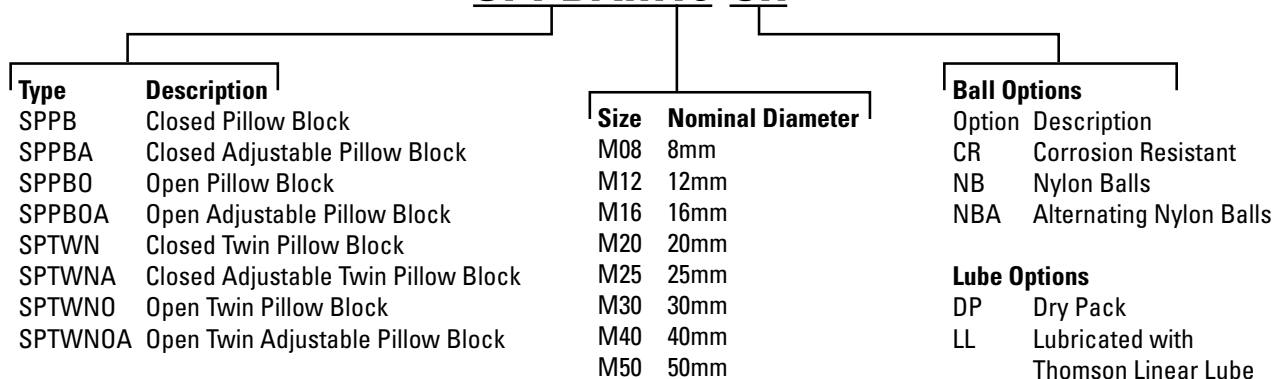
SPM160PNWW-CR



Metric Ball Bushing Bearings

Super Ball Bushing Pillow Blocks

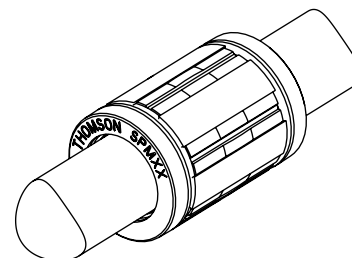
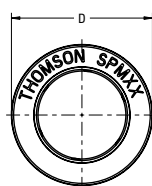
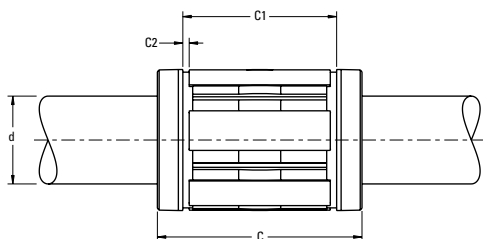
SPPBAM16-CR



Not all options are available in all sizes.
See catalog pages or contact Thomson Customer Support for combination availability.
For additional information on bearing options, see page 263.



Super Ball Bushing® Bearings (Closed Type) for End-Supported Applications



Super Metric Ball Bushing Bearings (Closed Type)

Part Number			Dimensions (mm)					Number of ball tracks	Mass (kg)	Dynamic Load $W^{(1)}$ (3) (N)	Load Limit $W_0^{(2)}$ (3) (N)
Without Integral Wipers	With One Integral Wiper	With Two Integral Wipers	$\phi d^{(4)}$	ϕD	C h14	C1 h13	C2 min				
SPM08	SPM08W	SPM08WW	8	16	25	16.2	1.10	4	0.02	310	340
SPM12	SPM12W	SPM12WW	12	22	32	22.6	1.30	5	0.02	830	910
SPM16	SPM16W	SPM16WW	16	26	36	24.6	1.30	5	0.03	1020	1120
SPM20	SPM20W	SPM20WW	20	32	45	31.2	1.60	6	0.06	2020	2220
SPM25	SPM25W	SPM25WW	25	40	58	43.7	1.85	6	0.13	3950	4350
SPM30	SPM30W	SPM30WW	30	47	68	51.7	1.85	6	0.19	4800	5280
SPM40	SPM40W	SPM40WW	40	62	80	60.3	2.15	6	0.36	8240	9060
SPM50	SPM50W	SPM50WW	50	75	100	77.3	2.65	6	0.66	12060	13270

(1) For rated travel life of 100 km. For longer travel lives, reduce load to $W \cdot (100/L)^{0.33}$ where L (km) is the required travel life. Do not exceed the Dynamic Load Rating for travel life of less than 100 km.

(2) The Load Limit is the maximum load that may be applied to a bearing and shaft. It is important to analyze the application so that peak and/or shock loads do not exceed the Load Limit.

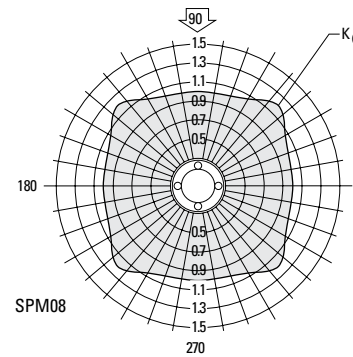
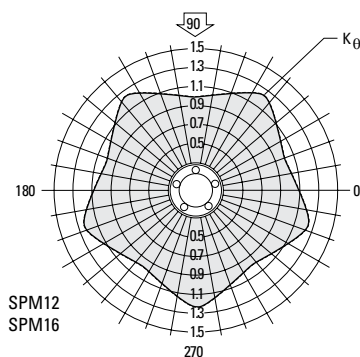
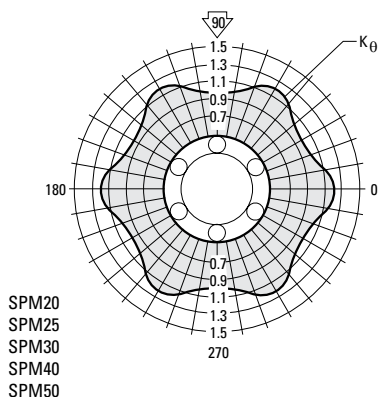
(3) The load capacities W and W_0 are valid for a resultant load applied at 90° with the ball tracks oriented as shown in the polar graphs below. If the resultant acts along another direction, the appropriate multiplicative correction factor K_θ , should be applied to W and W_0 respectively.

(4) Internal bearing diameter is affected by the housing bore, see Table 1.

NOTE: For part number description and specifications, see page 157.

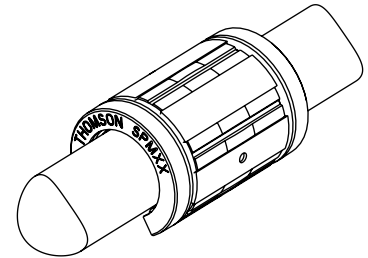
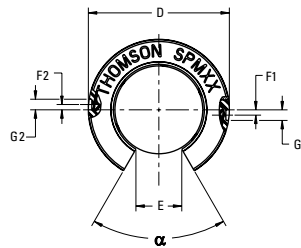
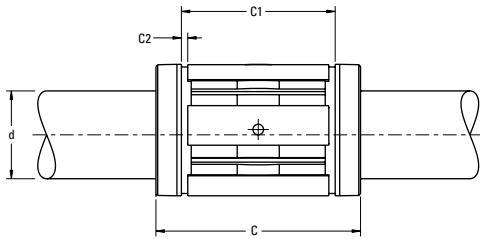
NOTE: External seals and retaining rings are available. See page 168 for specifications.

NOTE: For additional technical information, see the Engineering section beginning on page 252.



Thomson RoundRail Linear Guides and Components

Super Ball Bushing Bearings (Open Type) for Continuously Supported Applications



Super Metric Ball Bushing Bearings (Open Type)

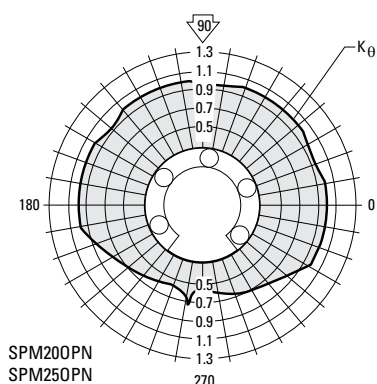
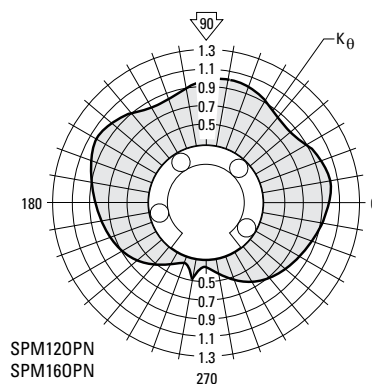
Part Number			Dimensions (mm)											Angle α (deg)	Number of ball tracks	Mass (kg)	Dynamic Load $W^{(1)(3)}$ (N)	Load Limit $W_0^{(2)(3)}$ (N)
Without Integral Wipers	With One Integral Wiper	With Two Integral Wipers	$\varnothing d^{(4)}$	$\varnothing D$	C h14	C1 h13	C2 min	E +/- 0.1	F1	$\varnothing G1$	F2	$\varnothing G2$						
SPM120PN	SPM120PNW	SPM120PNWW	12	22	32	22.3	1.30	7.0	1.35 ⁽⁵⁾	3.0	-	-	70	4	0.02	1060	1170	
SPM160PN	SPM160PNW	SPM160PNWW	16	26	36	24.6	1.30	9.8	0	3.0	-	-	70	4	0.02	1280	1410	
SPM200PN	SPM200PNW	SPM200PNWW	20	32	45	31.2	1.60	10.5	0	3.0	-	-	58	5	0.05	2100	2310	
SPM250PN	SPM250PNW	SPM250PNWW	25	40	58	43.7	1.85	13.0	1.50	3.0	0	3.5	60	5	0.10	4130	4540	
SPM300PN	SPM300PNW	SPM300PNWW	30	47	68	51.7	1.85	15.3	0	3.5	2.0	3.0	60	5	0.15	5020	5520	
SPM400PN	SPM400PNW	SPM400PNWW	40	62	80	60.3	2.15	21.4	0	3.5	1.5	3.0	58	5	0.30	8620	9480	
SPM500PN	SPM500PNW	SPM500PNWW	50	75	100	77.3	2.65	24.0	0	4.5	2.5	5.0	55	5	0.55	12500	13750	

- (1) For rated travel life of 100 km. For longer travel lives, reduce load to $W \cdot (100/L)^{0.33}$ where L (km) is the required travel life. Do not exceed the Dynamic Load Rating for travel life of less than 100 km.
 - (2) The Load Limit is the maximum load that may be applied to a bearing and shaft. It is important to analyze the application so that peak and/or shock loads do not exceed the Load Limit.
 - (3) The load capacities W and W_0 are valid for a resultant load applied at 90° with the ball tracks oriented as shown in the polar graphs below. If the resultant acts along another direction, the appropriate multiplicative correction factor K_θ should be applied to W and W_0 respectively. Open type bearings have reduced load capacities when used in pull-off situations.
 - (4) Internal bearing diameter is affected by the housing bore, see Table 1.
 - (5) Hole for anti-rotation pin is above centerline.
- NOTE: For part number description and specifications, see page 157.
 NOTE: External seals and retaining rings are available. See page 168 for specifications.
 NOTE: For additional technical information, see the Engineering section beginning on page 252.

Table 1 - Standard Diametral Clearances

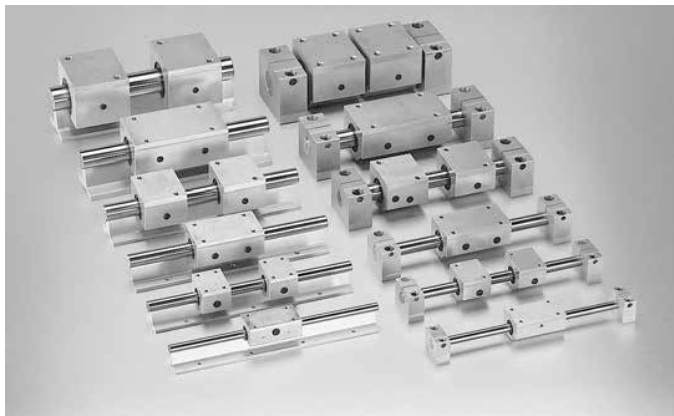
Nominal Shaft Diameter d (mm)	Nominal Housing Bore Diameter D (mm)	Diametral Clearance	
		Housing Bore H7 (μm)	Housing Bore H6 (μm)
12	22	+33 +4	+26 +3
16	26	+33 +4	+26 +3
20	32	+37 +6	+30 +4
25	40	+37 +6	+30 +4
30	47	+37 +6	+30 +4
40	62	+44 +7	+35 +5
50	75	+44 +7	+35 +5

For Super Metric Ball Bushing Bearings mounted in a housing and with LinearRace® shafts, h6 tolerance





Super Pillow Blocks



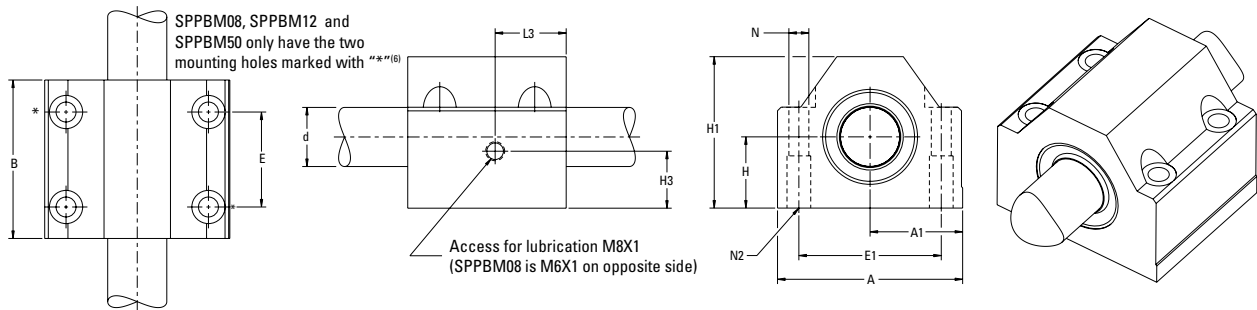
Thomson pillow blocks with factory-installed Super Metric Ball Bushing® Bearings offer:

- Accelerations as high as 150 m/s² and steady state travel speeds up to 3 m/s without the derating factors commonly required with linear guides.
- Replaceable bearing components for quick, cost-effective machine maintenance and minimal downtime.
- Lightweight, wear-resistant, engineered polymer retainers and outer sleeves that reduce inertia and noise.
- Standard, double-acting, integral seals at both ends, which keep out dirt, grit and other contaminants, retain lubrication, and maximize bearing life.
- Lubrication hole for easy maintenance.
- Tapped or thru hole mounting configuration for ease of installation.
- Twin version with two Super Ball Bushing Bearings, providing twice the load capacity or eight times more travel life than the single version.
- A single bearing version that self aligns in all directions, minimizing installation time and cost.

Note: See page 156 for information on Thomson Super Metric Ball Bushing Bearings.

Thomson RoundRail Linear Guides and Components

Super Pillow Blocks (Closed Type) for End-Supported Applications



Super Pillow Blocks (Closed Type)

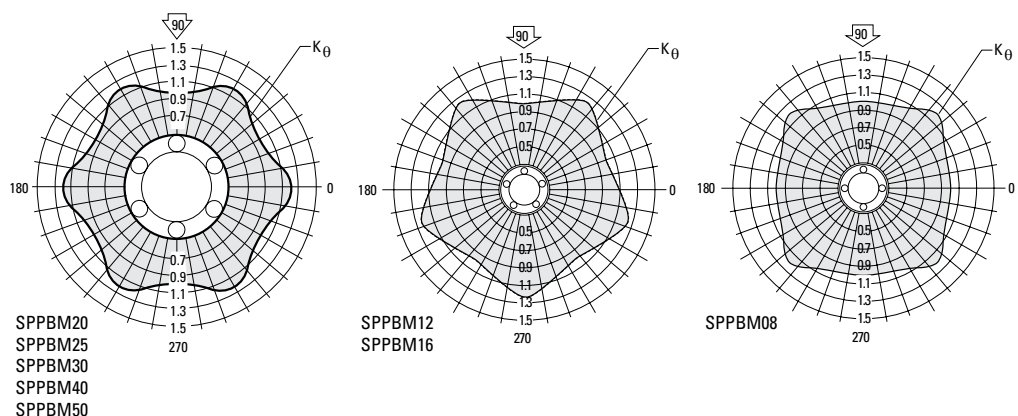
Part Number	Dimensions (mm)												Mass (kg)	Dynamic Load $W^{(1)(3)}$ (N)	Load Limit $W_0^{(2)(3)}$ (N)
	$\varnothing d^{(4)}$	H +/- 0.020	H1	A	A1 +/- 0.020	B	E +/- 0.1	E1 +/- 0.1	H3	L3 ⁽⁵⁾	$\varnothing N$	N2			
SPPBM08	8	15	28	35	17.5	32	20 ⁽⁶⁾	25 ⁽⁶⁾	12 ⁽⁵⁾	8.5	3.3	M4	0.07	310	340
SPPBM12	12	18	35	43	21.5	39	23 ⁽⁶⁾	32 ⁽⁶⁾	10	10.5	4.3	M5	0.13	830	910
SPPBM16	16	22	42	53	26.5	43	26	40	12	16.5	5.3	M6	0.21	1020	1120
SPPBM20	20	25	50	60	30.0	54	32	45	13	20.5	6.6	M8	0.35	2020	2220
SPPBM25	25	30	60	78	39.0	67	40	60	15	23	8.4	M10	0.66	3950	4350
SPPBM30	30	35	71	87	43.5	79	45	68	20	27	8.4	M10	0.97	4800	5280
SPPBM40	40	45	91	108	54.0	91	58	86	21.5	30	10.5	M12	1.81	8240	9060
SPPBM50	50	50	105	132	66.0	113	50 ⁽⁶⁾	108 ⁽⁶⁾	12.5	22	13.5	M16	3.00	12060	13270

- (1) For rated travel life of 100 km. For longer travel lives, reduce load to $W \cdot (100/L)^{0.33}$ where L (km) is the required travel life. Do not exceed the Dynamic Load Rating for travel life of less than 100 km.
 - (2) The Load Limit is the maximum load that may be applied to a bearing and shaft. It is important to analyze the application so that peak and/or shock loads do not exceed the Load Limit.
 - (3) The load capacities W and W_0 are valid for a resultant load applied at 90° with the ball tracks oriented as shown in the polar graphs below. If the resultant acts along another direction, the appropriate multiplicative correction factor K_θ should be applied to W and W_0 respectively.
 - (4) For bearing diametral clearances, see Table 2.
 - (5) SPPBM08 lube hole is M6X1 tapped hole located on opposite side
 - (6) SPPBM08, SPPBM12 and SPPBM50 pillow blocks have only two mounting holes. The mounting holes on these sizes are marked in the drawing above with “**”
- NOTE: For part number description and specifications, see page 157.
 NOTE: External seals and retaining rings are available. See page 168 for specifications.
 NOTE: For additional technical information, see the Engineering section beginning on page 252.

Table 2 - Standard Diametral Clearances (Closed Type)

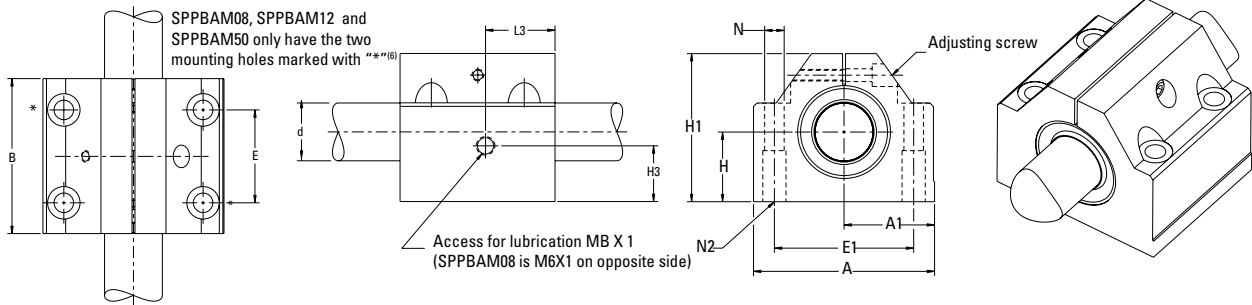
Nominal Size d (mm)	Diametral Clearance (µm)
8	+23 +2
12	+26 +3
16	+26 +3
20	+30 +4
25	+30 +4
30	+30 +4
40	+35 +5
50	+35 +5

For Pillow Blocks used with LinearRace Shaft, h6 tolerance





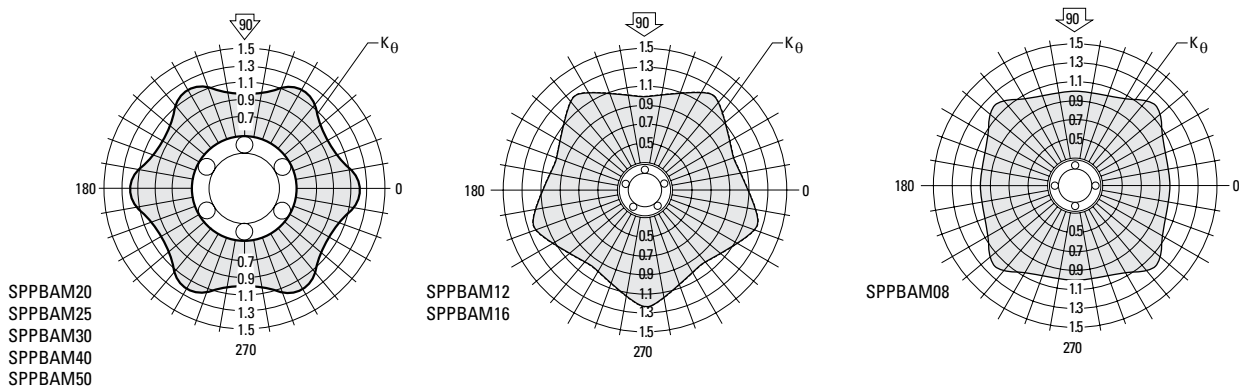
Super Pillow Blocks (Closed Adjustable Type) for End-Supported Applications



Super Pillow Blocks (Closed Adjustable Type)

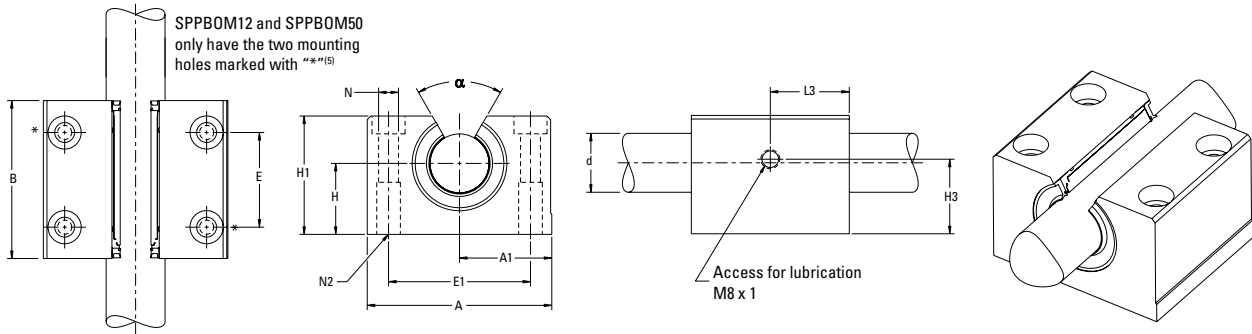
Part Number	Dimensions (mm)												Mass (kg)	Dynamic Load $W^{(1)(3)}$ (N)	Load Limit $W_0^{(2)(3)}$ (N)
	$\varnothing d$	H +/- 0.020	H1	A	A1 +/- 0.020	B	E +/- 0.1	E1 +/- 0.1	H3	L3	$\varnothing N$	N2			
SPPBAM08	8	15	28	35	17.5	32	20 ⁽⁶⁾	25 ⁽⁶⁾	12 ⁽⁵⁾	8,5 ⁽⁵⁾	3.3	M4	0.07	310	340
SPPBAM12	12	18	35	43	21.5	39	23 ⁽⁶⁾	32 ⁽⁶⁾	10	10.5	4.3	M5	0.13	830	910
SPPBAM16	16	22	42	53	26.5	43	26	40	16	15.7	5.3	M6	0.21	1020	1120
SPPBAM20	20	25	50	60	30.0	54	32	45	13	20	6.6	M8	0.35	2020	2220
SPPBAM25	25	30	60	78	39.0	67	40	60	15	23	8.4	M10	0.66	3950	4350
SPPBAM30	30	35	71	87	43.5	79	45	68	16	26.5	8.4	M10	0.97	4800	5280
SPPBAM40	40	45	91	108	54.0	91	58	86	21.5	30	10.5	M12	1.81	8240	9060
SPPBAM50	50	50	105	132	66.0	113	50 ⁽⁶⁾	108 ⁽⁶⁾	12.5	22	13.5	M16	3.00	12060	13270

- (1) For rated travel life of 100 km. For longer travel lives, reduce load to $W \cdot (100/L)^{0.33}$ where L (km) is the required travel life. Do not exceed the Dynamic Load Rating for travel life of less than 100 km.
 - (2) The Load Limit is the maximum load that may be applied to a bearing and shaft. It is important to analyze the application so that peak and/or shock loads do not exceed the Load Limit.
 - (3) The load capacities W and W_0 are valid for a resultant load applied at 90° with the ball tracks oriented as shown in the polar graphs below. If the resultant acts along another direction, the appropriate multiplicative correction factor K_θ , should be applied to W and W_0 respectively.
 - (4) For bearing diametral clearances, see Table 2.
 - (5) SPPBAM08 lube hole is M6X1 tapped hole located on opposite side
 - (6) SPPBAM08, SPPBAM12 and SPPBAM50 pillow blocks have only two mounting holes. The mounting holes on these sizes are marked in the drawing above with "*" NOTE: For part number description and specifications, see page 157.
- NOTE: External seals and retaining rings are available. See page 168 for specifications.
NOTE: For additional technical information, see the Engineering section beginning on page 252.



Thomson RoundRail Linear Guides and Components

Super Pillow Blocks (Open Type) for Continuously Supported Applications



Super Pillow Blocks (Open Type)

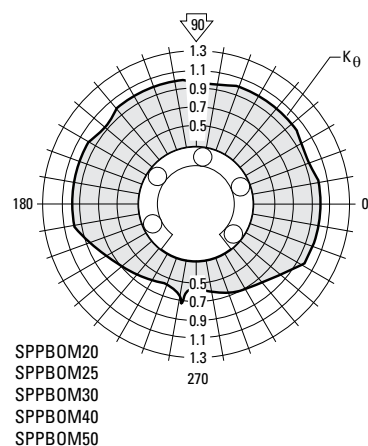
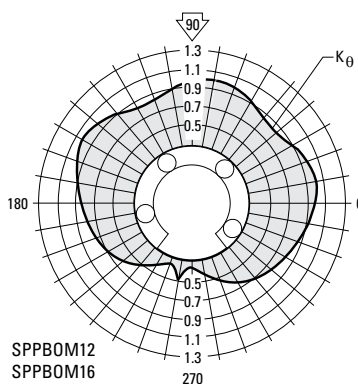
Part Number	Dimensions (mm)												Angle α (deg)	Mass (kg)	Dynamic Load $W^{(1)(3)}$ (N)	Load Limit $W_0^{(2)(3)}$ (N)
	$\varnothing d^{(4)}$	H +/- 0.020	H1	A	A1 +/- 0.020	B	E +/- 0.1	E1 +/- 0.1	H3	L3	$\varnothing N$	N2				
SPPBOM12	12	18	28	43	21.5	39	23 ⁽⁶⁾	32 ⁽⁶⁾	10	10.5	4.3	M5	70	0.11	1060	1170
SPPBOM16	16	22	35	53	26.5	43	26	40	10.8	15.7	5.3	M6	58	0.19	1280	1410
SPPBOM20	20	25	41	60	30.0	54	32	45	13	20	6.6	M8	60	0.30	2100	2310
SPPBOM25	25	30	50	78	39.0	67	40	60	15	23	8.4	M10	60	0.60	4130	4540
SPPBOM30	30	35	60	87	43.5	79	45	68	20.5	27	8.4	M10	58	0.92	5020	5520
SPPBOM40	40	45	77	108	54.0	91	58	86	21.5	30	10.5	M12	55	1.65	8620	9480
SPPBOM50	50	50	88	132	66.0	113	50 ⁽⁶⁾	108 ⁽⁶⁾	12.5	22	13.5	M16	55	2.60	12500	13750

- (1) For rated travel life of 100 km. For longer travel lives, reduce load to $W \cdot (100/L)^{0.33}$ where L (km) is the required travel life. Do not exceed the Dynamic Load Rating for travel life of less than 100 km.
 - (2) The Load Limit is the maximum load that may be applied to a bearing and shaft. It is important to analyze the application so that peak and/or shock loads do not exceed the Load Limit.
 - (3) The load capacities W and W_0 are valid for a resultant load applied at 90° with the ball tracks oriented as shown in the polar graphs below. If the resultant acts along another direction, the appropriate multiplicative correction factor K_θ , should be applied to W and W_0 respectively. Open type bearings have reduced load capacities when used in pull-off situations.
 - (4) For bearing diametral clearances, see Table 3.
 - (5) SPPBOM12 and SPPBOM50 pillow blocks have only two mounting holes. The mounting holes on these sizes are marked in the drawing above with "**"
- NOTE: For part number description and specifications, see page 157.
 NOTE: External seals and retaining rings are available. See page 168 for specifications.
 NOTE: For additional technical information, see the Engineering section beginning on page 252.

Table 3 - Standard Diametral Clearances (Open Type)

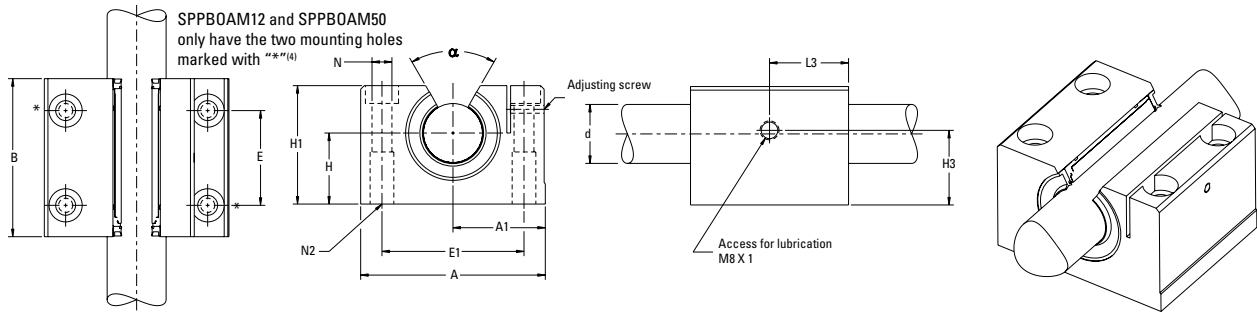
Nominal Size d (mm)	Diametral Clearance (μm)
12	+26 +3
16	+26 +3
20	+30 +4
25	+30 +4
30	+30 +4
40	+35 +5
50	+35 +5

For Pillow Blocks used with Linear-Race Shaft, h6 tolerance





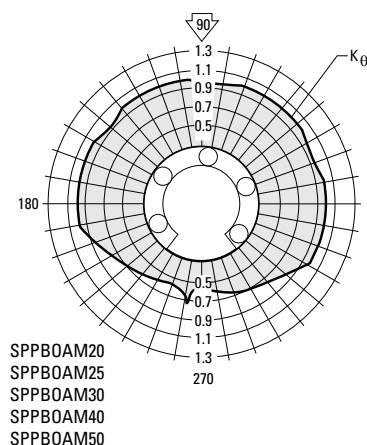
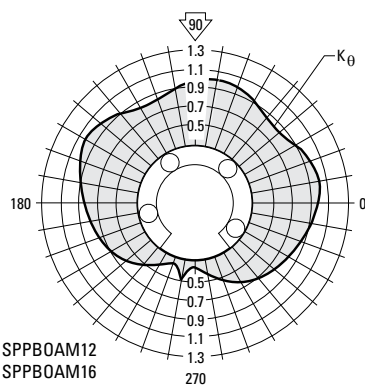
Super Pillow Blocks (Open Adjustable Type) for Continuously Supported Applications



Super Pillow Blocks (Open Adjustable Type)

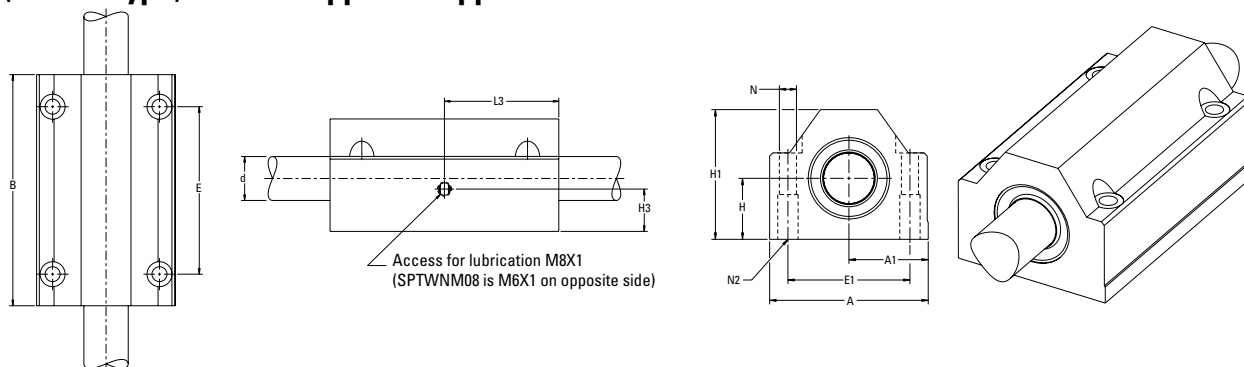
Part Number	Dimensions (mm)												Angle α (deg)	Mass (kg)	Dynamic Load $W^{(1)(3)}$ (N)	Load Limit $W_0^{(2)(3)}$ (N)
	$\varnothing d$	H +/- 0.020	H1	A	A1 +/- 0.020	B	E +/- 0.1	E1 +/- 0.1	H3	L3	$\varnothing N$	N2				
SPPBOAM12	12	18	28	43	21.5	39	23 ⁽⁴⁾	32 ⁽⁴⁾	10	10.5	4.3	M5	70	0.11	1060	1170
SPPBOAM16	16	22	35	53	26.5	43	26	40	10.8	15.7	5.3	M6	58	0.19	1280	1410
SPPBOAM20	20	25	41	60	30.0	54	32	45	13	20	6.6	M8	60	0.30	2100	2310
SPPBOAM25	25	30	50	78	39.0	67	40	60	15	23	8.4	M10	60	0.60	4130	4540
SPPBOAM30	30	35	60	87	43.5	79	45	68	20.5	27	8.4	M10	58	0.92	5020	5520
SPPBOAM40	40	45	77	108	54.0	91	58	86	21.5	30	10.5	M12	55	1.65	8620	9480
SPPBOAM50	50	50	88	132	66.0	113	50 ⁽⁴⁾	108 ⁽⁴⁾	12.5	22	13.5	M16	55	2.60	12500	13750

- (1) For rated travel life of 100 km. For longer travel lives, reduce load to $W \cdot (100/L)^{0.33}$ where L (km) is the required travel life. Do not exceed the Dynamic Load Rating for travel life of less than 100 km.
 - (2) The Load Limit is the maximum load that may be applied to a bearing and shaft. It is important to analyze the application so that peak and/or shock loads do not exceed the Load Limit.
 - (3) The load capacities W and W_0 are valid for a resultant load applied at 90° with the ball tracks oriented as shown in the polar graphs below. If the resultant acts along another direction, the appropriate multiplicative correction factor K_θ , should be applied to W and W_0 respectively. Open type bearings have reduced load capacities when used in pull-off situations.
 - (4) SPPBOAM12 and SPPBOAM50 pillow blocks have only two mounting holes. The mounting holes on these sizes are marked in the drawing above with "***"
- NOTE: For part number description and specifications, see page 157.
 NOTE: External seals and retaining rings are available. See page 168 for specifications.
 NOTE: For additional technical information, see the Engineering section beginning on page 252.



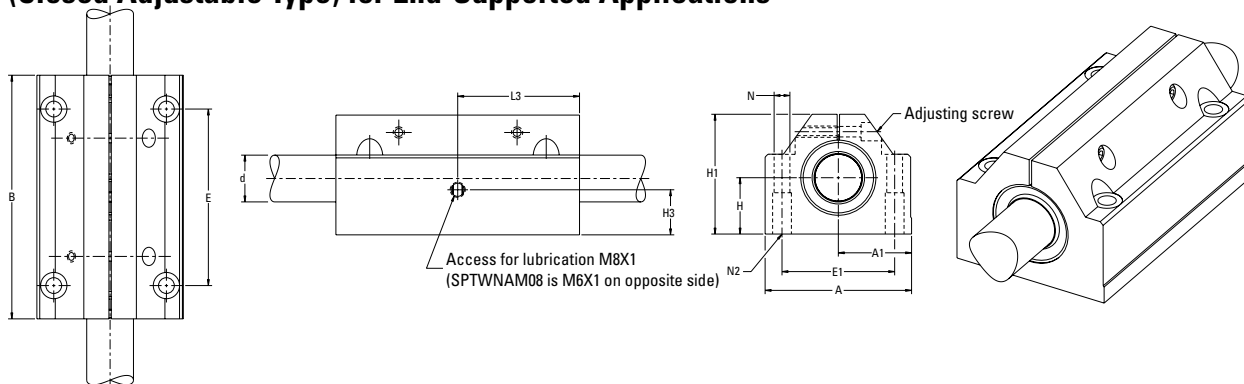
Thomson RoundRail Linear Guides and Components

Super Twin Pillow Blocks (Closed Type) for End Supported Applications



Part Number	Dimensions (mm)												Mass (kg)	Dynamic Load $W_0^{(1)(3)}$ (N)	Load Limit $W_0^{(2)(3)}$ (N)
	$\phi d^{(4)}$	H +/- 0.020	H1	A	A1 +/- 0.020	B	E +/- 0.1	E1 +/- 0.1	H3	L3	ϕN	N2			
SPTWNM08	8	15	28	35	17.5	62	50	25	12 ⁽⁵⁾	31 ⁽⁵⁾	3.3	M4	0.15	500	550
SPTWNM12	12	18	35	43	21.5	76	56	32	10	38	4.3	M5	0.27	1350	1490
SPTWNM16	16	22	42	53	26.5	84	64	40	16	42	5.3	M6	0.41	1660	1830
SPTWNM20	20	25	50	60	30.0	104	76	45	13	52	6.6	M8	0.66	3280	3610
SPTWNM25	25	30	60	78	39.0	130	94	60	15	65	8.4	M10	1.22	6410	7050
SPTWNM30	30	35	71	87	43.5	152	106	68	16	76	8.4	M10	1.90	7800	8580
SPTWNM40	40	45	91	108	54.0	176	124	86	21.5	88	10.5	M12	3.57	13380	14720
SPTWNM50	50	50	105	132	66.0	224	160	108	20	112	13.5	M16	6.30	19590	21550

(Closed Adjustable Type) for End-Supported Applications



Part Number	Dimensions (mm)												Mass (kg)	Dynamic Load $W_0^{(1)(3)}$ (N)	Load Limit $W_0^{(2)(3)}$ (N)
	ϕd	H +/- 0.020	H1	A	A1 +/- 0.020	B	E +/- 0.1	E1 +/- 0.1	H3	L3	ϕN	N2			
SPTWNAM08	8	15	28	35	17.5	62	50	25	12 ⁽⁵⁾	31 ⁽⁵⁾	3.3	M4	0.15	500	550
SPTWNAM12	12	18	35	43	21.5	76	56	32	10	38	4.3	M5	0.27	1350	1490
SPTWNAM16	16	22	42	53	26.5	84	64	40	12	42	5.3	M6	0.41	1660	1830
SPTWNAM20	20	25	50	60	30.0	104	76	45	13	52	6.6	M8	0.66	3280	3610
SPTWNAM25	25	30	60	78	39.0	130	94	60	15	65	8.4	M10	1.22	6410	7050
SPTWNAM30	30	35	71	87	43.5	152	106	68	20	76	8.4	M10	1.90	7800	8580
SPTWNAM40	40	45	91	108	54.0	176	124	86	21.5	88	10.5	M12	3.57	13380	14720
SPTWNAM50	50	50	105	132	66.0	224	160	108	20	112	13.5	M16	6.30	19590	21550

See footnotes (1) (2) (3) (4) (5) (6) on page 162. For diametral clearances, see single versions of pillow block.

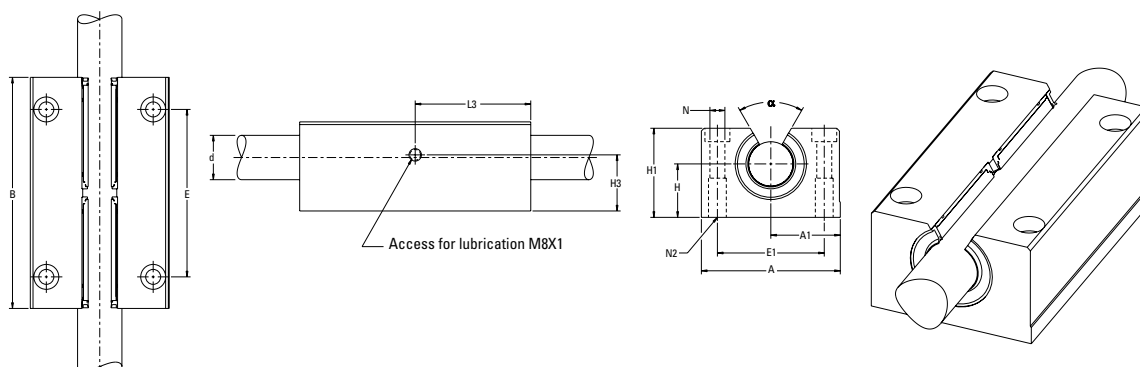
NOTE: For part number description and specifications, see page 157.

NOTE: External seals and retaining rings are available. See page 168 for specifications.

NOTE: For additional technical information, see the Engineering section beginning on page 252.

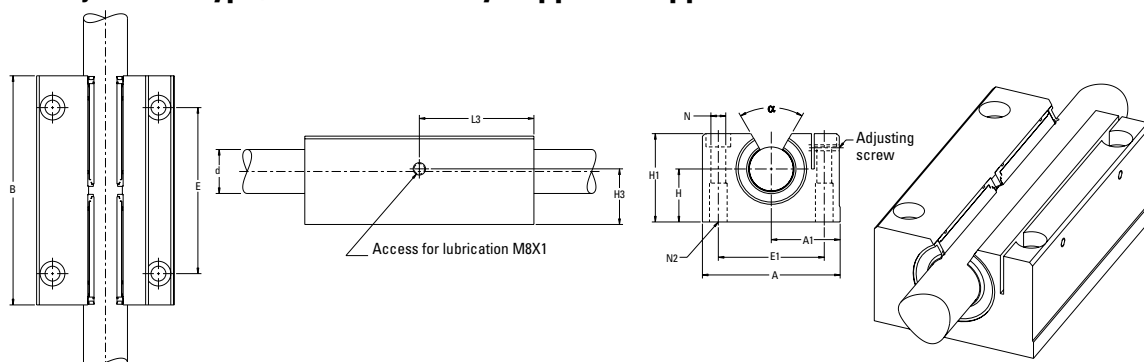


Super Twin Pillow Blocks (Open Type) for Continuously Supported Applications



Part Number	Dimensions (mm)												Angle α (deg)	Mass (kg)	Dynamic Load $W^{(1)(3)}$ (N)	Load Limit $W_0^{(2)(3)}$ (N)
	$\varnothing d^{(4)}$	H +/- 0.020	H1	A	A1 +/- 0.020	B	E +/-0.1	E1 +/-0.1	H3	L3	$\varnothing N$	N2				
SPTWNOM12	12	18	28	43	21.5	76	56	32	10	38	4.3	M5	70	0.22	1350	1490
SPTWNOM16	16	22	35	53	26.5	84	64	40	18	42	5.3	M6	58	0.37	1660	1830
SPTWNOM20	20	25	41	60	30.0	104	76	45	16	52	6.6	M8	60	0.57	3280	3610
SPTWNOM25	25	30	50	78	39.0	130	94	60	15	65	8.4	M10	60	1.15	6410	7050
SPTWNOM30	30	35	60	87	43.5	152	106	68	16	76	8.4	M10	58	1.76	7800	8580
SPTWNOM40	40	45	77	108	54.0	176	124	86	21.5	88	10.5	M12	55	3.22	13380	14720
SPTWNOM50	50	50	88	132	66.0	224	160	108	20	112	13.5	M16	55	5.50	19590	21550

(Open Adjustable Type) for Continuously Supported Applications



Part Number	Dimensions (mm)												Angle α (deg)	Mass (kg)	Dynamic Load $W^{(1)(3)}$ (N)	Load Limit $W_0^{(2)(3)}$ (N)
	$\varnothing d$	H +/- 0.020	H1	A	A1 +/- 0.020	B	E +/-0.1	E1 +/-0.1	H3	L3	$\varnothing N$	N2				
SPTWNOAM12	12	18	28	43	21.5	76	56	32	10	38	4.3	M5	70	0.22	1350	1490
SPTWNOAM16	16	22	35	53	26.5	84	64	40	18	42	5.3	M6	58	0.37	1660	1830
SPTWNOAM20	20	25	41	60	30.0	104	76	45	16	52	6.6	M8	60	0.57	3280	3610
SPTWNOAM25	25	30	50	78	39.0	130	94	60	15	65	8.4	M10	60	1.15	6410	7050
SPTWNOAM30	30	35	60	87	43.5	152	106	68	16	76	8.4	M10	58	1.76	7800	8580
SPTWNOAM40	40	45	77	108	54.0	176	124	86	21.5	88	10.5	M12	55	3.22	13380	14720
SPTWNOAM50	50	50	88	132	66.0	224	160	108	20	112	13.5	M16	55	5.50	19590	21550

See footnotes (1) (2) (3) (4) on page 163. For diametral clearances, see single versions of pillow block.

NOTE: For part number description and specifications, see page 157.

NOTE: External seals and retaining rings are available. See page 168 for specifications.

NOTE: For additional technical information, see the Engineering section beginning on page 252.