

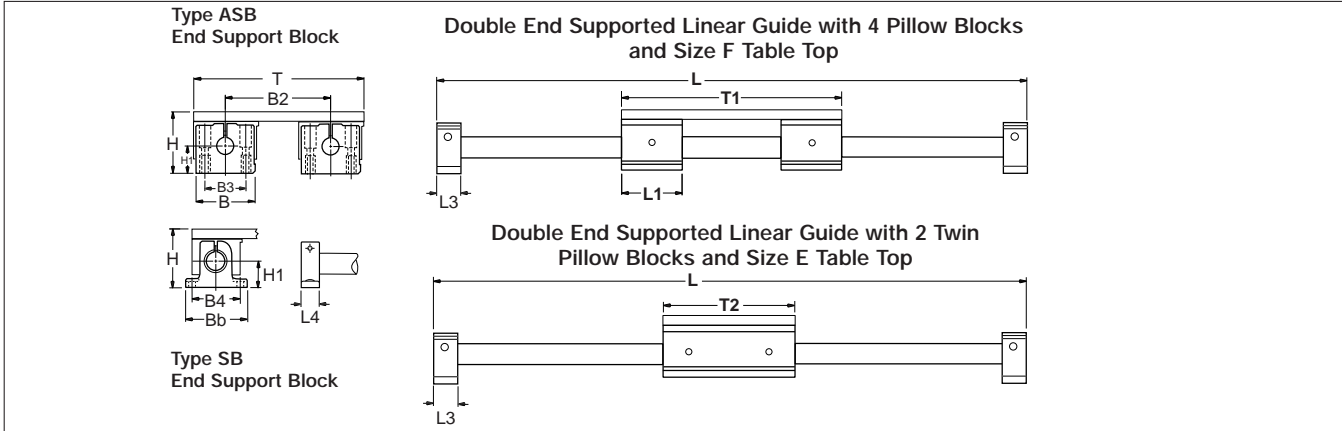
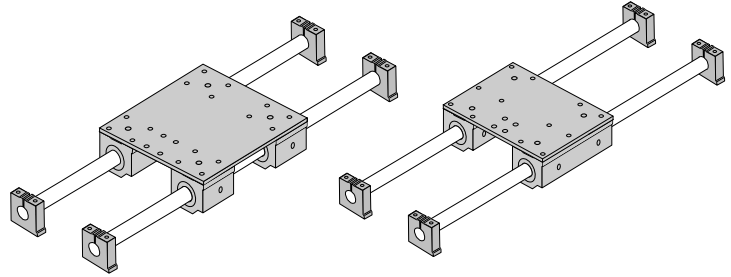
# End Support 1NC

## Linear Guide #9

with Table Top

*End Supported,  
Industry Standard Dimension*

**METRIC**



**End Support Linear Guide 1NC with 4 Pillow Blocks and Table Top (Size F)** (Dimensions in mm)

Part Number		Nom. Dia.	L1	L3	L4	H	H1	B	Bb	B2	B9	T	T1	Pillow Block	Shaft Support	
W/ Type ASB Shaft Supports	W/ Type SB Shaft Supports														Type ASB	Type SB
1NC-M08-NMF	1NC-M08-NNF	8	32	18	10	40	15	32	32	50	35	85	85	SPPB-M08-XS	ASB-M08-XS	SB-M08-XS
1NC-M12-NMF	1NC-M12-NNF	12	39	20	12	48	20	43	42	55	43	100	100	SSEPBM12-XS	ASB-M12-XS	SB-M12-XS
1NC-M16-NMF	1NC-M16-NNF	16	43	24	16	60	25	53	50	70	53	125	125	SSEPBM16-XS	ASB-M16-XS	SB-M16-XS
1NC-M20-NMF	1NC-M20-NNF	20	54	30	20	71	30	60	60	110	60	175	175	SSEPBM20-XS	ASB-M20-XS	SB-M20-XS
1NC-M25-NMF	1NC-M25-NNF	25	67	38	25	85	35	78	74	140	78	225	225	SSEPBM25-XS	ASB-M25-XS	SB-M25-XS
1NC-M30-NMF	1NC-M30-NNF	30	79	40	28	95	40	87	84	180	87	275	275	SSEPBM30-XS	ASB-M30-XS	SB-M30-XS
1NC-M40-NMF	1NC-M40-NNF	40	91	48	32	120	50	108	108	210	108	325	325	SSEPBM40-XS	ASB-M40-XS	SB-M40-XS

**End Support Linear Guide 1NC with 2 Twin Pillow Blocks and Table Top (Size E)** (Dimension in mm)

Part Number		Nom. Dia.	L3	L4	H	H1	B	Bb	B2	B9	T	T2	Pillow Block	Shaft Support	
W/ Type ASB Shaft Supports	W/ Type SB Shaft Supports													Type ASB	Type SB
1NC-M08-PME	1NC-M08-PNE	8	18	10	40	15	32	32	50	35	85	62	SPTWN-M08-XS	ASB-M088-XS	SB-M08-XS
1NC-M12-PME	1NC-M12-PNE	12	20	12	48	20	43	43	55	43	100	76	SSETWN-M12-XS	ASB-M12-XS	SB-M12-XS
1NC-M16-PME	1NC-M16-PNE	16	24	16	60	25	53	53	70	53	125	84	SSETWN-M16-XS	ASB-M16-XS	SB-M16-XS
1NC-M20-PME	1NC-M20-PNE	20	30	20	71	30	60	60	110	60	175	104	SSETWN-M20-XS	ASB-M20-XS	SB-M20-XS
1NC-M25-PME	1NC-M25-PNE	25	38	25	85	35	78	74	140	78	225	130	SSETWN-M25-XS	ASB-M25-XS	SB-M25-XS
1NC-M30-PME	1NC-M30-PNE	30	40	28	95	40	87	84	180	87	275	152	SSETWN-M30-XS	ASB-M30-XS	SB-M30-XS
1NC-M40-PME	1NC-M40-PNE	40	48	32	120	50	108	108	210	108	325	176	SSETWN-M40-XS	ASB-M40-XS	SB-M40-XS

**Dynamic Load Capacity Matrix (100 km travel)**

Linear Guide Assembly Part No.		Dynamic Load Capacity (N) (Even Distribution)	Pillow Block Part No.	Pillow Block Dynamic Load Capacity (N)
1NC-M08-NMF	1NC-M08-NNF	1240	SPPB-M08-XS	310
1NC-M12-NMF	1NC-M12-NNF	2600	SSEPBM12-XS	650
1NC-M16-NMF	1NC-M16-NNF	8800	SSEPBM16-XS	2200
1NC-M20-NMF	1NC-M20-NNF	16000	SSEPBM20-XS	4000
1NC-M25-NMF	1NC-M25-NNF	26800	SSEPBM25-XS	6700
1NC-M30-NMF	1NC-M30-NNF	33200	SSEPBM30-XS	8300
1NC-M40-NMF	1NC-M40-NNF	54800	SSEPBM40-XS	13700

**Dynamic Load Capacity Matrix (100 km travel)**

Linear Guide Assembly Part No.		Dynamic Load Capacity (N) (Even Distribution)	Pillow Block Part No.	Pillow Block Dynamic Load Capacity (N)
1NC-M08-PME	1NC-M08-PNE	1000	SPTWN-M08-XS	500
1NC-M12-PME	1NC-M12-PNE	2120	SSETWN-M12-XS	1060
1NC-M16-PME	1NC-M16-PNE	8800	SSETWN-M16-XS	4400
1NC-M20-PME	1NC-M20-PNE	16000	SSETWN-M20-XS	8000
1NC-M25-PME	1NC-M25-PNE	26800	SSETWN-M25-XS	13400
1NC-M30-PME	1NC-M30-PNE	33200	SSETWN-M30-XS	16600
1NC-M40-PME	1NC-M40-PNE	54800	SSETWN-M40-XS	27400

## End Support Linear Guide

### 1NC Benefits:

- Includes table top with standard tapped holes for quick and easy mounting of the work piece.
- Includes Ball Screw Assembly attachment holes for ease of assembly and actuation.
- Available with 60 Case\* LinearRace\* shaft end support blocks in either light weight aluminum or rigid iron materials.

## End Support Linear Guide

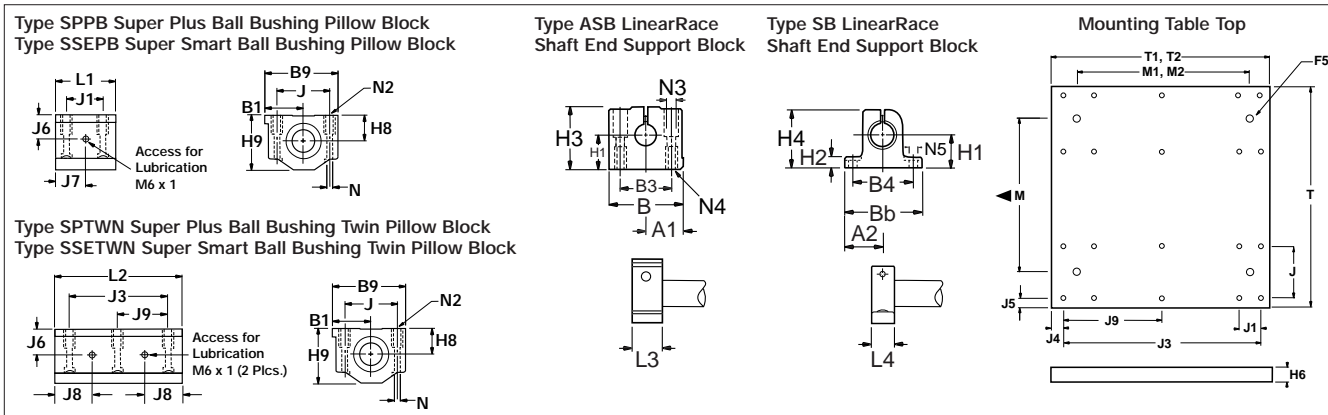
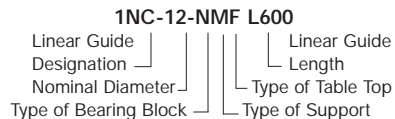
### 1NC Components: †

- 4 Super Smart Ball Bushing\* pillow blocks or 2 Super Smart Ball Bushing twin pillow blocks.
- 2 60 Case LinearRace shafts.
- 1 mounting table top with work piece and Ball Screw Assembly attachment holes.

### Specifying a Thomson Linear guide:

1. Determine the proper system for your load and life requirements.
2. Select the part number.
3. Add the letter "L" followed by the overall length in millimeters, as a suffix to the part number.

### Part Numbering System



Type SPPB and SSEPB Pillow Blocks													Type SPTWN and SSETWN Pillow Blocks							
(Dimensions in mm)													(Dimensions in mm)							
Part Number	Nom. Dia.	L1	H8	H9	B1	B9	J	J1	J6	J7	N Dia.	N2	Mass kg	Part Number	Nom. Dia.	L2	J3	J8	J9	Mass kg
SPPB-M08-XS	8	32	15	28	17,5	35	25	20	15	19,5	3,3	M4	0,07	SPTWN-M08-XS	8	62	50	19,5	25	0,15
SSEPB-M12-XS	12	39	18	35	21,5	43	32	23	18	23,0	4,3	M5	0,13	SSETWN-M12-XS	12	76	56	23,0	28	0,27
SSEPB-M16-XS	16	43	22	42	26,5	53	40	26	22	25,0	5,3	M6	0,20	SSETWN-M16-XS	16	84	64	25,0	32	0,41
SSEPB-M20-XS	20	54	25	50	30,0	60	45	32	25	30,5	6,6	M8	0,35	SSETWN-M20-XS	20	104	76	30,5	38	0,73
SSEPB-M25-XS	25	67	30	60	39,0	78	60	40	30	37,0	8,4	M10	0,66	SSETWN-M25-XS	25	130	94	37,0	47	1,37
SSEPB-M30-XS	30	79	35	70	43,5	87	68	45	35	43,0	8,4	M10	0,99	SSETWN-M30-XS	30	152	106	43,0	53	2,04
SSEPB-M40-XS	40	91	45	90	54,0	108	86	58	45	49,0	10,5	M12	1,83	SSETWN-M40-XS	40	176	124	49,0	62	3,73

Housing Material: Aluminum Alloy Grey Anodized

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Type ASB LinearRace Shaft End Support Block										Type SB LinearRace Shaft End Support Block											
Part Number	Nom. Dia.	A1	B	B3	H1	H3	L3	N3 Dia.	N4	Mass kg	Part Number	Nom. Dia.	A2	B4	Bb	H1	H2	H4	L4	N5 Dia.	Mass kg
ASB-M08-XS	8	16,0	32	22	15	28	18	3,5	M4	0,04	SB-M08-XS	8	16	25	32	15	5,2	27	10	4,5	0,03
ASB-M12-XS	12	21,5	43	30	20	36	20	5,3	M6	0,10	SB-M12-XS	12	21	32	42	20	5,5	35	12	5,5	0,06
ASB-M16-XS	16	26,5	53	38	25	43	24	6,6	M8	0,15	SB-M16-XS	16	25	40	50	25	6,5	42	16	5,5	0,11
ASB-M20-XS	20	30,0	60	42	30	51	30	8,4	M10	0,23	SB-M20-XS	20	30	45	60	30	8,0	50	20	5,5	0,21
ASB-M25-XS	25	39,0	78	56	35	61	38	10,5	M12	0,41	SB-M25-XS	25	37	60	74	35	9,0	58	25	6,6	0,35
ASB-M30-XS	30	43,5	87	64	40	71	40	10,5	M12	0,53	SB-M30-XS	30	42	68	84	40	10,0	68	28	9,0	0,52
ASB-M40-XS	40	54,0	108	82	50	88	48	13,5	M16	0,99	SB-M40-XS	40	54	86	108	50	12,0	86	32	11,0	0,92

End Support Material: Aluminum Alloy Grey Anodized

End Support Material: Iron

Mounting Table Top																
(Dimensions in mm)																
System	All Table Tops					Table Top Size F					Table Top Size E					
	T	M	J	H6	F5 <sup>(2)</sup>	T1	J1	J4	J5	M1	T2	J3	J4	J5	J9	M2
1NC-M08	85	50	25	10	M6	85	20	6,0	5,0	50	62	50	6	5,0	25	35
1NC-M12	100	55	32	10	M6	100	23	8,0	6,5	55	76	56	10	6,5	28	40
1NC-M16	125	70	40	13	M6	125	26	10,0	7,5	70	84	64	10	7,5	32	45
1NC-M20	175	110	45	16	M8	175	32	11,0	10,0	110	104	76	14	10,0	38	55
1NC-M25	225	140	60	20	M8	225	40	13,5	12,5	140	130	94	18	12,5	47	65
1NC-M30	275	180	68	20	M8	275	45	17,0	13,5	180	152	106	23	13,5	53	75
1NC-M40	325	210	86	25	M10	325	58	16,5	14,5	210	176	124	26	14,5	62	85

Material: Aluminum Alloy Grey Anodized

<sup>(2)</sup> Customer Mounting hole.

† Super Plus Ball Bushing\* bearings are used in 8 mm size pillow blocks.