

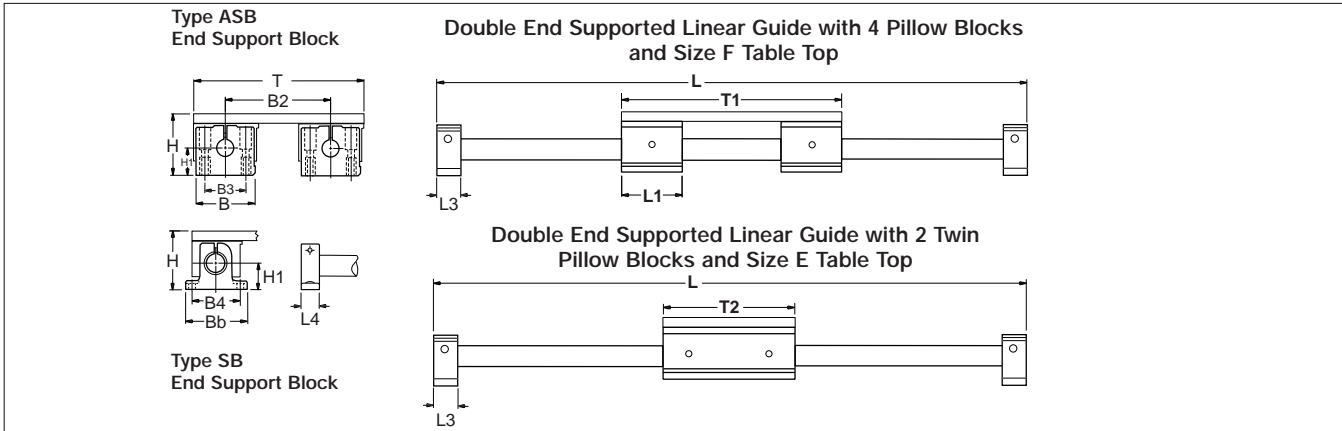
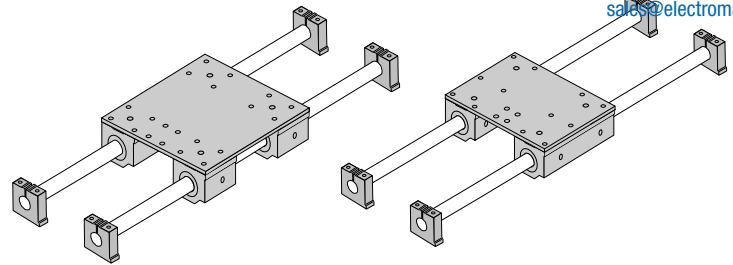
End Support 1NC

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-M08-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

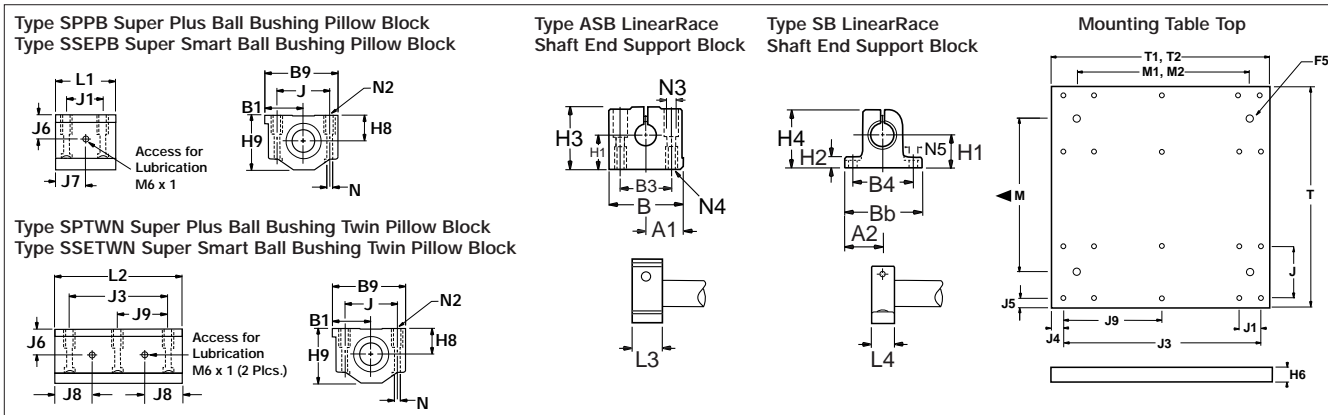
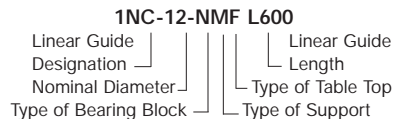
1NC Components: †

- 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 (Dimensions in mm)													Type SPTWN and SSETWN Pillow Blocks							
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

Housing Material: Aluminum Alloy Grey Anodized

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 ⁽²⁾	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

⁽²⁾ Customer Mounting hole.

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