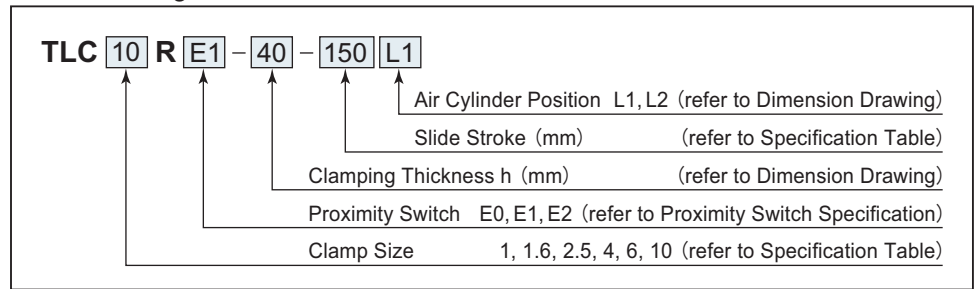


Class Designation

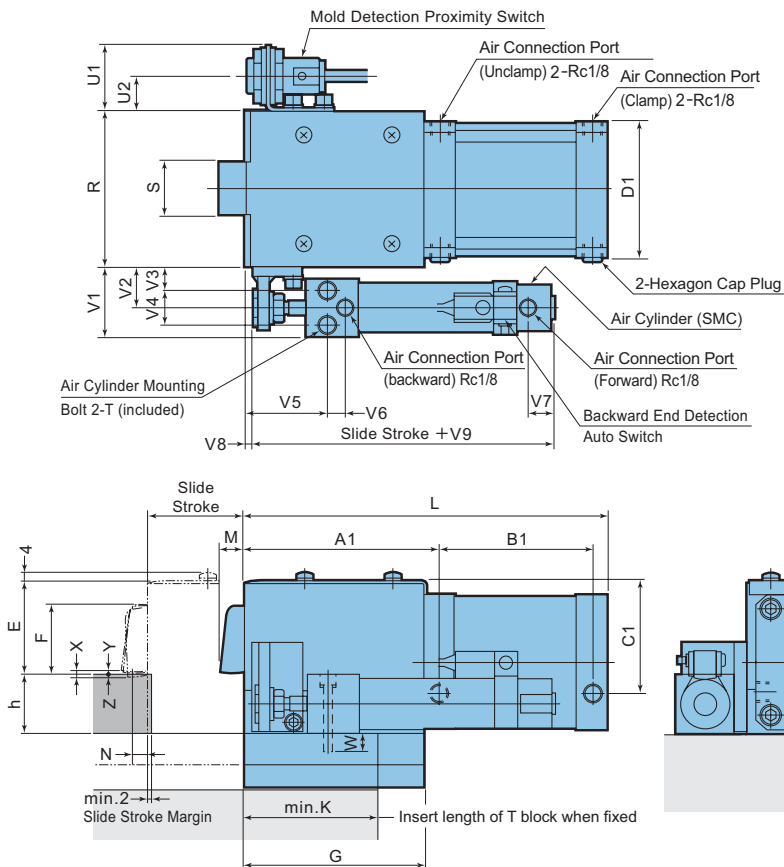


Specifications (Other specifications than specified here are same with TLA)

MODEL	TLC1RE	TLC1.6RE	TLC2.5RE	TLC4RE	TLC6RE	TLC10RE
Full Stroke : X (mm)	3.0	3.0	3.0	3.8	3.8	4.2
Clamp Stroke : Y (mm)	1.0	1.0	1.0	1.2	1.2	1.2
Safety Stroke : Z (mm)	2.0	2.0	2.0	2.6	2.6	3.0
Slide Stroke (mm)	50 ~ 150			50 ~ 200		50~300
Slide Speed (mm/s)	30 ~ 80 (adjusted with speed controller)					
Working Ambient Temperature (°C)	0 ~ 70					
Mass ※ (kg)	2.6	3.5	5.5	12.0	18.0	28.0

※: Varies according to the slide stroke and the T block dimension.

Dimensions The drawings showing : At air cylinder position L1.



Proximity Switch Specification (OMRON)

Switch Symbol	E0	E1 ※	E2
Switch Model	2-Wire DC※ E2E-X7D1-N	3-Wire DC E2E-X5E1	2-Wire AC E2E-X5Y1
Voltage Range	DC10 ~ 30V	DC10 ~ 40V	AC20 ~ 264V
Leakage Current	Max. 0.8 mA		Max. 1.7 mA
Current Consumption		Max. 13 mA	
Control Output (Switching Capacity)	3 ~ 100 mA	200 mA	5 ~ 300 mA

Insulation vinyl cable length : 5m (Oil proof, 0.5 mm²)

Proximity switch shall be specified as per the symbols (E0, E1, E2).

※When using Pascal control box, 3-wire DC type (E1) shall be delivered.

Auto Switch Specifications (SMC)

Switch Model	D-B54L		
Load Voltage	DC24V	AC100V	AC200V
Range of Load Current	5 ~ 50 mA	5 ~ 25mA	5 ~ 12.5mA

Insulation vinyl cable length : 3m (Oil proof, 0.3 mm²)

Remarks

- Tolerance of h (clamp thickness) should be ±0.3 mm.
- For T-slot and T-block dimension, refer to page 5.
- Hexagon cap plug shall be provided for 2 air connection ports at air cylinder side.
- The speed of slide air cylinder should be adjusted by speed controller. Speed controller is not necessary for air pressure circuit for clamp and unclamp.

Dimension Table

MODEL	A1	B1	C1	D1	E	F	G	min.h	min.K	L	M	N	R	S	T	W	U1	U2	U3	V1	V2	V3	V4	V5	V6	V7	V8	V9
TLC 1RE	86	72	46	50	44	28	78	20	65	166	12	7	54	16	M5 × 35	10	34.5	18.5	16	37.2	22	13	18	42.5	9	12	4.5	104
TLC 1.6RE	89	77	49	60	44	30.5	81	25	68	174	12	7	68	22	M5 × 35	10	34.5	18.5	17	37.2	22	13	18	42.5	9	12	4.5	104
TLC 2.5RE	99	80	58	70	49	36	91	30	73	187	13	7.5	80	27	M5 × 35	10	34.5	18.5	17	37.2	22	13	18	42.5	9	12	4.5	104
TLC 4RE	118.5	90.5	71	90	72	55.5	110.5	30	83	217	16	9	100	35	M8 × 45	10	34.5	18.5	19	47.2	26	14	24	53	13	12	8	117
TLC 6RE	133.5	96.5	91	110	87	70	125.5	35	92	238	18	10	120	45	M8 × 45	10	34.5	18.5	19	47.2	26	14	24	58	13	12	13	117
TLC 10RE	159	113	103	135	107	87	150	40	112	280	22	11.5	146	55	M12 × 70	17	34.5	18.5	19	77.3	45	24.5	41	73	16	14	11	155