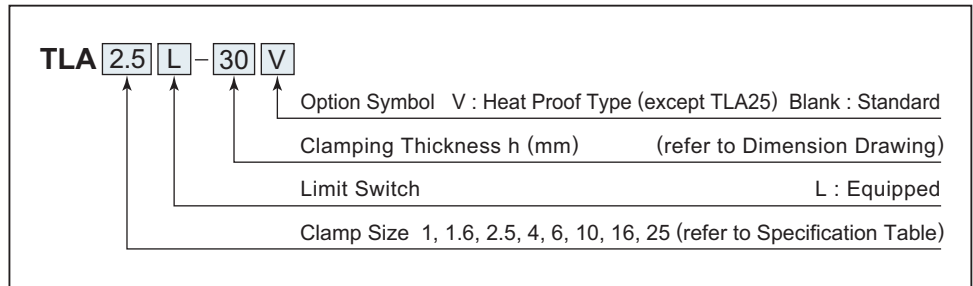




Class Designation

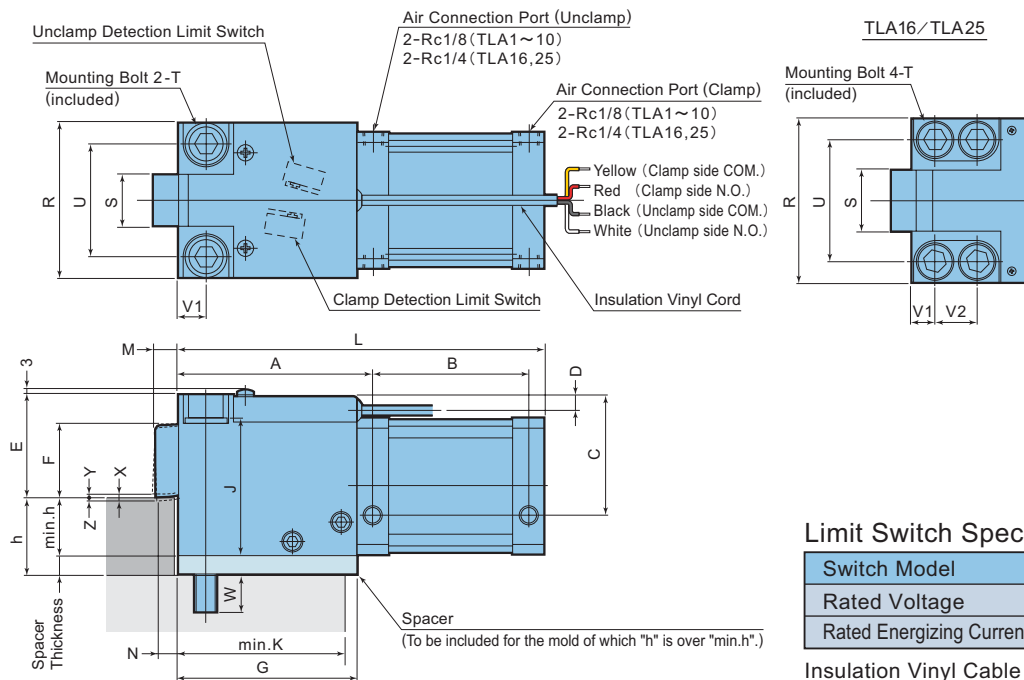


Specifications

MODEL		TLA1	TLA1.6	TLA2.5	TLA4	TLA6	TLA10	TLA16	TLA25
Holding Force	At Air Pressure 0.49 MPa (kN)	9.8	15.6	24.5	39.2	61.7	98	156	245
	At Air Pressure 0.39 MPa (kN)	9.8	15.6	24.5	39.2	61.7	98	156	245
	At Air Pressure 0 MPa (kN)	3.92	6.17	9.8	15.6	24.5	39.2	61.7	98.0
Fixing Force	At Air Pressure 0.49 MPa (kN)	3.92	6.17	9.8	15.6	24.5	39.2	61.7	98.0
Residual Fixing Force ※	At Air Pressure 0 MPa (kN)	2.94	4.90	7.84	11.7	19.6	31.3	49.0	78.4
Full Stroke	: X (mm)	2.2	2.2	2.2	2.6	2.6	2.8	3.0	3.4
Clamp Stroke	: Y (mm)	1.0	1.0	1.0	1.2	1.2	1.2	1.2	1.4
Safety Stroke	: Z (mm)	1.2	1.2	1.2	1.4	1.4	1.6	1.8	2.0
Cylinder Capacity	For Clamping (cm ³)	43	70	115	219	350	607	1116	1993
	For Unclamping (cm ³)	39	63	104	197	318	560	1046	1869
Working Ambient Temperature (°C)		0 ~ 70 (5 ~ 120 with heat proof type)							
Mass (kg)		2.3	3.2	4.2	7.8	13.0	25.0	43.0	85.0

※ Fixing forces when air pressure becomes 0 from 0.49 MPa. Working air pressure 0.39 ~ 0.49 MPa Proof Pressure 0.68 MPa

Dimensions



Remarks

- Machining tolerance of clamping thickness "h" should be ±0.3 mm.
- Each mounting bolts should have below strength classifications.
TLA1 ~ 6 : 12.9
TLA10~25 : 10.9
- Hexagon cap plug shall be provided for 2 air connection ports out of 4.
- Speed controller is not necessary for air pressure circuit.
- "W" dimension varies according to "h" dimension as well as the length of mounting bolt. Confirm on the final specification sheet.

Limit Switch Specifications (YAMATAKE)

Switch Model	SSM33A1	
Rated Voltage	AC250V	DC30V
Rated Energizing Current (Resistive Load)	2A	2A

Insulation Vinyl Cable Length : 3 m (oil proof type, 0.5 mm²)

Dimension Table

MODEL	A	B	C	D	E	F	G	J	min.h	min.K	L	M	N	R	S	T	U	V1	V2	W
TLA 1	86	72	48	8	45	30	78	57	20	50	166	10.3	7	54	16	M 8	33	8	—	13 ~ 18
TLA 1.6	89	77	54	8	48	32	81	63	25	68	174	12	8	68	22	M10	50	12	—	17 ~ 22
TLA 2.5	99	80	62	8	53	38	91	71	30	90	187	13	9	80	27	M12	58	14	—	19 ~ 24
TLA 4	118.5	90.5	73	8	73	57	110.5	87	30	74	217	15	10	100	35	M16	72	18	—	23 ~ 28
TLA 6	133.5	96.5	93	8	88	72	125.5	103	35	86	238	16	11	120	45	M20	86	21	—	32 ~ 37
TLA 10	159	113	105	8	108	93	150	124	40	130	280	18.4	12	146	55	M24	105	25	—	36 ~ 41
TLA 16	191	138	137	8	144	102	181	160	40	180	340	21.7	14	170	65	M24	128	25	45	40 ~ 45
TLA 25	235	160	167	8.5	174	129	221	194	50	220	410	25.2	16	210	75	M30	158	31	55	46 ~ 51