Operating range and hysteresis of each cylinder model with switch

(Unit: mm)

Model No.	Bore size (mm)	Proximity switch				Reed switch		Page
		Operating range		Hysteresis		Operating range	Hysteresis	
		1-color type	2-color type	1-color type	2-color type			
Pencil shaped cylinder ● Applicable switch: Proximity switch (T2□, T3□, T2W□, T3W□), reed switch (T0□, T5□)								
SCP*3	φ6	1.5 to 4	2.5 to 5	1.5 or less	1.0 or less	4 to 6	3 or less	I-3
	φ10	1.5 to 5.5	2.5 to 6			3.5 to 7		
	φ16	2 to 6	2.5 to 6			3.5 to 7.5		
Medium bore size cylinder ● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2J□, T2W□, T3W□, T2Y□, T3Y□, T1□), reed switch (T0□, T5□, T8□)								
CMK2	φ20	2.5 to 5.5	3.5 to 7.5	1.5 or less	1.0 or less	6.5 to 11	3 or less	I-79
	φ25	2.5 to 5.5	3.5 to 7.5			7.5 to 12		
	φ32	2.5 to 6	3.5 to 8			6.5 to 11.5		
	φ40	3 to 7	4 to 9			7.5 to 13.5		
Medium bore size cylinder ● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2J□, T2W□, T3W□, T2Y□, T3Y□, T1□), reed switch (T0□, T5□, T8□)								
CMA2	φ20	3 to 6	5 to 6.5	1.5 or less	1.0 or less	8.5 to 12	3 or less	I-191
	φ30	3 to 5.5	6 to 7			8 to 13		
	φ40	2.5 to 5.5	5.5 to 7.5			8.5 to 12.5		
Round shaped cylinder ● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2J□, T2W□, T3W□, T2Y□, T3Y□, T2YD, T1□), reed switch (T0□, T5□, T8□)								
SCM	φ20	3 to 8	4.5 to 9	1.5 or less	1.0 or less	6 to 14	3 or less	I-213
	φ25	3 to 9	5 to 9			5 to 14		
	φ32	3 to 8	5 to 9			5 to 12		
	φ40	3 to 9	5.5 to 9.5			6 to 14		
	φ50	3 to 9	6 to 10			6 to 14		
	φ63	3 to 9	6 to 10.5			7 to 15		
	φ80	4 to 10	6.5 to 11			7 to 15		
	φ100	4 to 10	7 to 11.5			9 to 15		
Tie rod cylinder ● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2J□, T2W□, T3W□, T2Y□, T3Y□, T2YD, T1□), reed switch (T0□, T5□, T8□)								
SCG	φ32	2 to 7	6 to 9	1.5 or less	1.0 or less	6 to 11	3 or less	I-335
	φ40	2 to 7	6.5 to 9			7 to 12		
	φ50	2 to 7	7 to 10			7.5 to 12		
	φ63	2 to 7.5	7 to 10			8.5 to 13		
	φ80	2.5 to 8	7.5 to 10.5			9 to 13.5		
	φ100	2.5 to 8	8 to 11			9 to 14		
Medium bore size cylinder ● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2J□, T2W□, T3W□, T2Y□, T3Y□, T1□), reed switch (T0□, T5□, T8□)								
SCA2	φ40	2 to 7	3 to 10	1.5 or less	1.0 or less	5 to 12.5	3 or less	I-427
	φ50	2 to 7.5	3 to 10			5.5 to 13.5		
	φ63	2.5 to 7.5	3.5 to 10.5			5.5 to 14		
	φ80	3 to 8	4 to 11.5			6.5 to 14.5		
	φ100	3 to 8.5	4 to 11.5			6.5 to 15.5		
Medium bore size cylinder ● Applicable switch: Proximity switch for AC magnetic field (T2YD), reed switch for strong magnetic fields (H0□) * The values in ( ) indicate H0Y.								
SCA2(-L2)	φ40	—	6.5 to 9	—	1.5 or less	4 to 7.5(10.5 to 13.5)	3 or less	I-427
	φ50	—	7 to 10			4 to 7.5(11 to 14)		
	φ63	—	7 to 10			5 to 8(11.5 to 14.5)		
	φ80	—	7.5 to 10.5			5 to 8(10.5 to 14.5)		
	φ100	—	8 to 11			5 to 8(10.5 to 14.5)		
Large bore size cylinder ● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2J□, T2W□, T3W□, T2Y□, T3Y□, T2YD, T1□), reed switch (T0□, T5□, T8□)								
SCS2	φ125	7.5 to 14	14 to 21	1.5 or less	1.0 or less	11 to 16	3 or less	I-605
	φ140	7.5 to 14	18 to 26					
	φ160	7.5 to 14	18 to 26					
	φ180	7.5 to 14	18 to 26					
	φ200	7.5 to 14	18 to 26					

Operating range and hysteresis of each cylinder model with switch

(Unit: mm)

Model No.	Bore size (mm)	Proximity switch				Reed switch		Page
		Operating range		Hysteresis		Operating range	Hysteresis	
		1-color type	2-color type	1-color type	2-color type			
Tie rod cylinder ● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2J□, T2W□, T3W□, T2Y□, T3Y□, T2YD, T1□), reed switch (T0□, T5□, T8□)								
CKV2	φ20	2.5 to 5.5	3.5 to 7.5	1.5 or less	1.0 or less	6.5 to 11	3 or less	I-659
	φ25	2.5 to 5.5	3.5 to 7.5			7.5 to 12		
	φ32	2.5 to 6	3.5 to 8			6.5 to 11.5		
	φ40	3 to 7	4 to 9			7.5 to 13.5		
Tie rod cylinder ● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2J□, T2W□, T3W□, T2Y□, T3Y□, T2YD, T1□), reed switch (T0□, T5□, T8□)								
CAV2-L COVP2-L COVN2-L	φ50	3.8 to 6.7	4 to 6	0.8 or less	0.7 or less	7.7 to 8.3	1 or less	I-687
	φ75	3.8 to 6.7	4 to 6			7.7 to 8.3		
	φ100	3.8 to 6.7	4 to 6			7.7 to 8.3		
Compact cylinder ● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2J□, T2W□, T3W□, T2Y□, T3Y□, T2YD, T1□), reed switch (T0□, T5□, T8□)								
SSD2	φ12	1.5 to 5.5	3 to 6	1.5 or less	1.0 or less	5 to 8	3 or less	I-729
	φ16	1.5 to 4.5	3 to 7			4 to 9		
	φ20	3 to 8	4.5 to 8			6 to 14		
	φ25	3 to 9	4.5 to 8			5 to 14		
	φ32	3 to 8	4.5 to 8			5 to 12		
	φ40	3 to 9	5 to 8.5			6 to 14		
	φ50	3 to 9	5.5 to 9.5			6 to 14		
	φ63	3 to 9	5.5 to 9.5			7 to 15		
	φ80	4 to 10	6 to 10			7 to 15		
	φ100	4 to 10	6 to 10			9 to 15		
	φ125	4 to 10	8 to 10			9 to 15		
	φ140	4 to 10	8 to 10			9 to 15		
	φ160	4 to 10	8 to 10			9 to 15		
Compact cylinder ● Applicable switch: Reed switch (ET0□)								
SSD2-T1L	φ16	-	-	-	-	8 to 11.5	3 or less	I-729
	φ20	-	-			9 to 13.5		
	φ25	-	-			9.5 to 14		
	φ32	-	-			9 to 13		
	φ40	-	-			9 to 14		
	φ50	-	-			11 to 16		
	φ63	-	-			13 to 18		
Compact cylinder ● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2J□, T2W□, T3W□, T2Y□, T3Y□, T2YD, T1□), reed switch (T0□, T5□, T8□)								
SSG	φ12	1.5 to 5.5	3 to 6	1.5 or less	1.0 or less	5 to 8	3 or less	I-1049
	φ16	1.5 to 4.5	3 to 7			4 to 9		
	φ20	3 to 8	4.5 to 8			6 to 14		
	φ25	3 to 9	4.5 to 8			5 to 14		
	φ32	3 to 8	4.5 to 8			5 to 12		
	φ40	3 to 9	5 to 8.5			6 to 14		
	φ50	3 to 9	5.5 to 9.5			7 to 15		
	φ63	3 to 9	5.5 to 9.5			7 to 15		
	φ80	4 to 10	6 to 10			9 to 15		
	φ100	4 to 10	6 to 10			9 to 15		

Operating range and hysteresis of each cylinder model with switch

(Unit: mm)

Model No.	Bore size (mm)	Proximity switch				Reed switch		Page
		Operating range		Hysteresis		Operating range	Hysteresis	
		1-color type	2-color type	1-color type	2-color type			
Compact cylinder ● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2J□, T2W□, T3W□, T2Y□, T3Y□, T2YD, T1□), reed switch (T0□, T5□, T8□)								
SSD	φ12	1.5 to 5.5	3 to 6	1.5 or less	1.0 or less	5 to 8	3 or less	I-1065
	φ16	1.5 to 4.5	3 to 7			4 to 9		
	φ20	3 to 8	4.5 to 8			6 to 14		
	φ25	3 to 9	4.5 to 8			5 to 14		
	φ32	3 to 8	4.5 to 8			5 to 12		
	φ40	3 to 9	5 to 8.5			6 to 14		
	φ50	3 to 9	5.5 to 9.5			6 to 14		
	φ63	3 to 9	5.5 to 9.5			7 to 15		
	φ80	4 to 10	6 to 10			7 to 15		
	φ100	4 to 10	6 to 10			9 to 15		
	φ125	4 to 10	8 to 10			9 to 15		
	φ140	4 to 10	8 to 10			9 to 15		
	φ160	4 to 10	8 to 10			9 to 15		
Compact cylinder ● Applicable switch: Reed switch (ET0□)								
SSD-T1L	φ16	-	-	-	-	8 to 11.5	3 or less	I-1065
	φ20	-	-			9 to 13.5		
	φ25	-	-			9.5 to 14		
	φ32	-	-			9 to 13		
	φ40	-	-			9 to 14		
	φ50	-	-			11 to 16		
	φ63	-	-			13 to 18		
Small direct mounting cylinder ● Applicable switch: Proximity switch (F2□, F3□), reed switch (F0□)								
MDC2	φ6	1.5 to 3.5		1.0 or less		3.5 to 6.0	1.0 or less	I-1327
	φ8							
	φ10							
MDC2-X	φ6	2.0 to 3.5		1.0 or less		5.5 to 7.5	1.0 or less	
	φ8							
	φ10							
MDC2-Y	φ6	1.5 to 3.5		1.0 or less		4.5 to 6.0	1.0 or less	
	φ8							
	φ10							
Small cylinder/suction pad ● Applicable switch: Proximity switch (F2□, F3□), reed switch (F0□)								
MVC	φ6	1.5 to 3.5		1.0 or less		3.5 to 6.0	1.0 or less	I-1353
	φ10					4.5 to 6.0		
Compact cylinder ● Applicable switch: Proximity switch (K2□, K3□, K3P□, K2Y□, K3Y□), reed switch (K0□, K5□)								
SMG	φ6	1.5 to 7	3.5 to 7.5	2 or less	1.5 or less	3 to 9.5	3 or less	I-1365
	φ10	1.5 to 7	3.5 to 7.5			3.5 to 9.5		
	φ16	1.5 to 7	4.5 to 8.5			4 to 11		
	φ20	2.5 to 9	5 to 9			5 to 12.5		
	φ25	3.5 to 11	5.5 to 9.5			6.5 to 14		
	φ32	3.5 to 11.5	1.5 to 10.5			5.5 to 14		
Small compact cylinder ● Applicable switch: Proximity switch (F2□, F3□), reed switch (F0□)								
MSD-*L MSDG-L	φ6	1.5 to 3.0		1.0 or less		5 to 6	1.0 or less	I-1397
	φ8	1.5 to 3.5				5.5 to 6.5		
	φ12	1.5 to 3.5				5.5 to 7.5		
	φ16	1.5 to 3.5				4.5 to 7		

Operating range and hysteresis of each cylinder model with switch

(Unit: mm)

Model No.	Bore size (mm)	Proximity switch				Reed switch		Page
		Operating range		Hysteresis		Operating range	Hysteresis	
		1-color type	2-color type	1-color type	2-color type			
Flat compact cylinder ● Applicable switch: Proximity switch (M2V, M3V, M3PV, M2WV, M3WV), reed switch (M0V, M5V)								
FCS-L	φ25	9 to 12	6 to 11	1.5 or less	1.0 or less	7 to 8.5	3 or less	I-1455
	φ32	9 to 12	6 to 11			7 to 8.5		
	φ40	8.5 to 12	6 to 11			7 to 8.5		
	φ50	8 to 12	6 to 11			6.5 to 8.5		
	φ63	8 to 12	6 to 11			6.5 to 8.5		
FCH-L FCD-L FCD-DL FCD-KL	φ25	6 to 12	5 to 11	1.5 or less	1.0 or less	7 to 12	3 or less	
	φ32	6 to 12	5 to 11			7 to 12		
	φ40	6 to 12	5 to 11			7 to 12		
	φ50	6 to 12	5 to 11			7 to 12		
	φ63	6 to 12	5 to 11			7 to 12		
Stopper cylinder ● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2J□, T2W□, T3W□, T2Y□, T3Y□, T1□), reed switch (T0□, T5□, T8□)								
STK	φ20	3 to 8	4.5 to 8	1.5 or less	1.5 or less	6 to 14	3 or less	I-1491
	φ32	3 to 8	4.5 to 8			5 to 12		
	φ40	3 to 9	5 to 8.5			6 to 14		
	φ50	3 to 9	5.5 to 9.5			6 to 14		
Brake cylinder ● Applicable switch: Proximity switch (M2V, M3V, M3PV, M2WV, M3WV), reed switch (M0V, M5V)								
ULKP	φ16	5 to 9.5	4.5 to 9.5	1.5 or less	1.0 or less	5 to 9.5	3 or less	II-661
Brake cylinder ● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2J□, T2W□, T3W□, T2Y□, T3Y□, T1□), reed switch (T0□, T5□, T8□)								
ULK	φ20	2.5 to 5.5	3.5 to 7.5	1.5 or less	1.0 or less	6.5 to 11	3 or less	II-661
	φ25	2.5 to 5.5	3.5 to 7.5			7.5 to 12		
	φ32	2.5 to 6	3.5 to 8			6.5 to 11.5		
	φ40	3 to 7	4 to 9			7.5 to 13.5		
Brake cylinder ● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2J□, T2W□, T3W□, T2Y□, T3Y□, T1□), reed switch (T0□, T5□, T8□)								
JSK2	φ20	2.5 to 5.5	3.5 to 7.5	1.5 or less	1.0 or less	6.5 to 11	3 or less	II-691
	φ25	2.5 to 5.5	3.5 to 7.5			7.5 to 12		
	φ32	2.5 to 6	3.5 to 8			6.5 to 11.5		
	φ40	3 to 7	4 to 9			7.5 to 13.5		
Brake cylinder ● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2J□, T2W□, T3W□, T2Y□, T3Y□, T1□), reed switch (T0□, T5□, T8□)								
JSM2	φ20	3 to 6	5 to 6.5	1.5 or less	1.0 or less	8.5 to 12	3 or less	II-710
	φ30	3 to 5.5	6 to 7			8 to 13		
	φ40	2.5 to 5.5	5.5 to 7.5			8.5 to 12.5		
Tie rod cylinder with brake ● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2J□, T2W□, T3W□, T2Y□, T3Y□, T2YD, T1□), reed switch (T0□, T5□, T8□)								
JSG	φ32	2 to 7	6 to 9	1.5 or less	1.0 or less	6 to 11	3 or less	II-727
	φ40	2 to 7	6.5 to 9			7 to 12		
	φ50	2 to 7	7 to 10			7.5 to 12		
	φ63	2 to 7.5	7 to 10			8.5 to 13		
	φ80	2.5 to 8	7.5 to 10.5			9 to 13.5		
	φ100	2.5 to 8	8 to 11			9 to 14		

Operating range and hysteresis of each cylinder model with switch

(Unit: mm)

Model No.	Bore size (mm)	Proximity switch				Reed switch		Page
		Operating range		Hysteresis		Operating range	Hysteresis	
		1-color type	2-color type	1-color type	2-color type			
Brake cylinder	● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2J□, T2W□, T3W□, T2Y□, T3Y□, T2YD, T1□), reed switch (T0□, T5□, T8□)							
JSC3 (Medium bore size)	φ40	2 to 7	3 to 10	1.5 or less	1.0 or less	5 to 12.5	3 or less	II-757
	φ50	2 to 7.5	3 to 10			5.5 to 13.5		
	φ63	2.5 to 7.5	3.5 to 10.5			5.5 to 14		
	φ80	3 to 8	4 to 11.5			6.5 to 14.5		
	φ100	3 to 8.5	4 to 11.5			6.5 to 15.5		
Brake cylinder	● Applicable switch: Strong magnetic field proof reed switch (H0□) * The values in ( ) indicate H0Y.							
JSC3 (Medium bore size)	φ40	-		-		4 to 7.5(10.5 to 13.5)	3 or less	II-757
	φ50	-				4 to 7.5(11 to 14)		
	φ63	-				5 to 8(11.5 to 14.5)		
	φ80	-				5 to 8(10.5 to 14.5)		
	φ100	-				5 to 8(10.5 to 14.5)		
Brake cylinder	● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2J□, T2W□, T3W□, T2Y□, T3Y□, T1□), reed switch (T0□, T5□, T8□)							
JSC4 (Large bore size)	φ125	7.5 to 14	14 to 21	1.5 or less	1.0 or less	11 to 16	3 or less	II-757
	φ140	7.5 to 14	18 to 26			11 to 16		
	φ160	7.5 to 14	18 to 26			11 to 16		
	φ200	7.5 to 14	18 to 26			11 to 16		
Position locking compact cylinder	● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2J□, T2W□, T3W□, T2Y□, T3Y□, T1□), reed switch (T0□, T5□, T8□)							
USSD	φ20	3 to 8	4.5 to 8	1.5 or less	1.0 or less	6 to 14	3 or less	II-831
	φ25	3 to 9	4.5 to 8			5 to 14		
	φ32	3 to 8	4.5 to 8			5 to 12		
	φ40	3 to 9	5 to 8.5			6 to 14		
	φ50	3 to 9	5.5 to 9.5			6 to 14		
	φ63	3 to 9	5.5 to 9.5			7 to 15		
Free position locking flat cylinder	● Applicable switch: Proximity switch (M2□, M3□, M3P□, M2W□, M3W□), reed switch (M0□, M5□)							
UFCD	φ25	6 to 12	5 to 11	1.5 or less	1.0 or less	7 to 12	3 or less	II-875
	φ32	6 to 12	5 to 11			7 to 12		
	φ40	6 to 12	5 to 11			7 to 12		
	φ50	6 to 12	5 to 11			7 to 12		
	φ63	6 to 12	5 to 11			7 to 12		
Free position locking Medium bore size cylinder	● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2J□, T2W□, T3W□, T2Y□, T3Y□, T1□), reed switch (T0□, T5□, T8□)							
USC	φ40	2 to 7	3 to 10	1.5 or less	1.0 or less	5 to 12.5	3 or less	II-891
	φ50	2 to 7.5	3 to 10			5.5 to 13.5		
	φ63	2.5 to 7.5	3.5 to 10.5			5.5 to 14		
	φ80	3 to 8	4 to 11.5			6.5 to 14.5		
	φ100	3 to 8.5	4 to 11.5			6.5 to 15.5		
Free position locking Medium bore size cylinder	● Applicable switch: Proximity switch for AC magnetic field (T2YD), reed switch for strong magnetic field (H0□) * The values in ( ) indicate H0Y.							
USC	φ40	-	6.5 to 9.5	-	1.5 or less	4 to 7.5(10.5 to 13.5)	3 or less	II-891
	φ50	-	7 to 10			4 to 7.5(11 to 14)		
	φ63	-	7 to 10			5 to 8(11.5 to 14.5)		
	φ80	-	7.5 to 10.5			5 to 8(10.5 to 14.5)		
	φ100	-	8 to 11			5 to 8(10.5 to 14.5)		
Guided cylinder	● Applicable switch: Proximity switch (F2□, F3□, F2Y□, F3Y□)							
STM	φ10	2.5 to 4.5	2.5 to 5.5	1.5 or less	1.5 or less	-	-	II-309
	φ16	2.5 to 4.5	2.5 to 5.5			-		

Operating range and hysteresis of each cylinder model with switch

(Unit: mm)

Model No.	Bore size (mm)	Proximity switch				Reed switch		Page
		Operating range		Hysteresis		Operating range	Hysteresis	
		1-color type	2-color type	1-color type	2-color type			
Guided cylinder ● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2J□, T2W□, T3W□, T2Y□, T3Y□, T2YD, T1□), reed switch (T0□, T5□, T8□)								
STG	φ12	1.5 to 4.5	4 to 6	1.5 or less	1.5 or less	6 to 10	3 or less	II-329
	φ16	1.5 to 4.5	4 to 6			4 to 9		
	φ20	3 to 8	5 to 8.5			6 to 14		
	φ25	3 to 9	5 to 8.5			5 to 14		
	φ32	3 to 9	5 to 9			5 to 12		
	φ40	3 to 9	6 to 10			6 to 14		
	φ50	3 to 9	6 to 10			6 to 14		
	φ63	3 to 9	6 to 10			7 to 15		
	φ80	4 to 10	7 to 10			7 to 15		
Guided cylinder ● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2J□, T2W□, T3W□, T2Y□, T3Y□, T2YD, T1□), reed switch (T0□, T5□, T8□)								
STS/L	φ8	1.5 to 3.5	4 to 6	1.5 or less	1.5 or less	5 to 9	3 or less	II-437
	φ12	1.5 to 4.5	4 to 6			6 to 10		
	φ16	1.5 to 4.5	4 to 6			4 to 9		
	φ20	3 to 8	5 to 8.5			6 to 14		
	φ25	3 to 9	5 to 8.5			5 to 14		
	φ32	3 to 8	5 to 9			5 to 12		
	φ40	3 to 9	6 to 10			6 to 14		
	φ50	3 to 9	6 to 10			6 to 14		
	φ63	3 to 9	6 to 10			7 to 15		
	φ80	4 to 10	7 to 10			7 to 15		
	φ100	2 to 9	7 to 10			7 to 15		
Linear slide cylinder ● Applicable switch: Proximity switch (F2□, F3□, F2Y□, F3Y□)								
LCW	φ12	3.5 to 6.5	4.5 to 6.5	1.0 or less	1.0 or less	-	-	II-5
Linear slide cylinder ● Applicable switch: Proximity switch (T2□, T3□, T2W□, T3W□), reed switch (T0□, T5□)								
LCW	φ16	3 to 5	4 to 5.5	1.0 or less	1.0 or less	6.5 to 9.5	3.0 or less	II-5
	φ20	4.5 to 6.5	5.5 to 6.5			8 to 12		
Linear slide cylinder ● Applicable switch: Proximity switch (F2□, F3□, F2Y□, F3Y□)								
LCR	φ6	2 to 4	2.5 to 5.5	1.0 or less	1.0 or less	-	-	II-55
	φ8		3.5 to 6					
	φ12		3 to 4.5					
Linear slide cylinder ● Applicable switch: Proximity switch (T2□, T3□, T2W□, T3W□), reed switch (T0□, T5□)								
LCR	φ16	2 to 4	3 to 4.5	1.0 or less	1.0 or less	5 to 9	1.0 or less	II-55
	φ20	2 to 5.5	4 to 5.5			6.5 to 11		
	φ25	2.5 to 6	3.5 to 6			8 to 12		
Linear slide cylinder ● Applicable switch: Proximity switch (F2□, F3□, F2Y□, F3Y□)								
LCG	φ6	2 to 4	2.5 to 5.5	1.0 or less	1.0 or less	-	-	II-137
	φ8		3.5 to 6					
	φ12		3 to 4.5					
Linear slide cylinder ● Applicable switch: Proximity switch (T2□, T3□, T2W□, T3W□), reed switch (T0□, T5□)								
LCG	φ16	2 to 4	3 to 4.5	1.0 or less	1.0 or less	5 to 9	1.0 or less	II-137
	φ20	2 to 5.5	4 to 5.5			6.5 to 11		
	φ25	2.5 to 6	3.5 to 6			8 to 12		
Linear slide cylinder ● Applicable switch: Proximity switch (T2□, T3□, T2W□, T3W□), reed switch (T0□, T5□)								
LCX	φ25	0.5 to 6	1.0 to 5.5	2 or less	2 or less	2 to 10.5	3.5 or less	II-201
	φ32	1.0 to 5.5	0.5 to 5.0			1 to 11		

Operating range and hysteresis of each cylinder model with switch

(Unit: mm)

Model No.	Bore size (mm)	Proximity switch				Reed switch		Page
		Operating range		Hysteresis		Operating range	Hysteresis	
		1-color type	2-color type	1-color type	2-color type			
Linear slide cylinder ● Applicable switch: Proximity switch (F2□, F3□, F2Y□, F3Y□)								
LCM	φ4.5	1 to 3	2 to 4	1.0 or less	1.0 or less	-	-	II-261
	φ6							
	φ8							
Twin rod cylinder ● Applicable switch: Proximity switch (K2□, K3□, K3P□, K2Y□, K3Y□), reed switch (K0□, K5□)								
STR2	φ6	1 to 6	4 to 7.5	2.0 or less	1.5 or less	4 to 9(STR2-M)	3.0 or less	II-567
	φ10	1 to 5.5	4 to 7.5			4 to 9(STR2-M)		
	φ16	1.5 to 7.5	4.5 to 9			5 to 12.5		
	φ20	3 to 9	5.5 to 10			6.5 to 14.5		
	φ25	3.5 to 10.5	6.5 to 10.5			8 to 14.5		
	φ32	-	-			-		
Unit cylinder ● Applicable switch: Proximity switch (T2□, T3□), reed switch (T0□, T5□)								
UCA2-*L	φ10	1.5 to 4	-	1.5 or less	-	4.5 to 8	3.0 or less	II-625
	φ16		-					
	φ25		-					
	φ32		-					
Hi energy absorption cylinder ● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2J□, T2W□, T3W□, T2Y□, T3Y□, T2YD, T1□), reed switch (T0□, T5□, T8□)								
HCM	φ20	3 to 8	4.5 to 9	1.5 or less	1.0 or less	6 to 14	3 or less	I-941
	φ25	3 to 9	5 to 9			5 to 14		
	φ32	3 to 8	5 to 9			5 to 12		
	φ40	3 to 9	5.5 to 9.5			6 to 14		
	φ50	3 to 9	6 to 10			6 to 14		
	φ63	3 to 9	6 to 10.5			7 to 15		
High speed cylinder ● Applicable switch: Proximity switch (R1, R2, R3, R2Y, R3Y), reed switch (R0, R4, R5, R6)								
HCA	φ20	6 to 14	11 to 18	1.5 or less	1.0 or less	7 to 14	3.0 or less	I-959
	φ25	6 to 14	11 to 18			8 to 13		
	φ32	6 to 14	11 to 18			9 to 14		
	φ50	6 to 14	11 to 18			9 to 14		
Rodless cylinder ● Applicable switch: Proximity switch (M2V, M3V, M3PV, M2WV, M3WV), reed switch (M0V, M5V)								
SRL3	φ12	4 to 13	4 to 12	1.5 or less	1.0 or less	3 to 11	3.0 or less	I-1551
	φ16	4 to 13	4 to 12	1.5 or less	1.0 or less	3 to 11		
	φ20	4 to 13	4 to 12	1.5 or less	1.0 or less	3 to 11		
	φ25	9.5 to 15.5	9 to 14	2.0 or less	1.5 or less	8.5 to 13.5	3.5 or less	
	φ32	7.5 to 15	8 to 14	2.0 or less	1.5 or less	7 to 13.5		
	φ40	11.5 to 17.5	10 to 16.5	2.0 or less	1.5 or less	10 to 16		
	φ50	11 to 24	17 to 27	2.5 or less	1.5 or less	17 to 27	3.0 or less	
	φ63	11 to 24	17 to 27	2.5 or less	1.5 or less	17 to 27		
	φ80	26.5 to 45.5	16.5 to 40	5.0 or less	3.0 or less	20.5 to 41		
	φ100	25.5 to 40.5	21.5 to 36	3.0 or less	2.5 or less	24 to 37		
Rodless cylinder ● Applicable switch: Proximity switch (T2W□, T3W□, T2YL□, T3YL□,)								
SRL3	φ12	2 to 7		1.0 or less		-	-	I-1551
	φ16	2 to 7				-		
	φ20	3 to 8		1.5 or less		-		
	φ25	3 to 10				-		
	φ32	3 to 10				-		
	φ40	4 to 11				-		
	φ50	9 to 16				-		
	φ63	9 to 16				-		
	φ80	10 to 24		2.0 or less		-		
	φ100	10 to 24				-		

Operating range and hysteresis of each cylinder model with switch

(Unit: mm)

Model No.	Bore size (mm)	Proximity switch				Reed switch		Page
		Operating range		Hysteresis		Operating range	Hysteresis	
		1-color type	2-color type	1-color type	2-color type			
High precision guided rodless cylinder	● Applicable switch: Proximity switch (M2V, M3V, M3PV, M2WV, M3WV), reed switch (M0V, M5V)							
SRG3	φ12	4 to 13 (2-wire)	4 to 12 (3-wire)	1.5 or less (2-wire)	1.0 or less (3-wire)	3 to 11	3.0 or less	I-1627
	φ16					3 to 11		
	φ20	9.5 to 15.5 (2-wire)	9 to 14 (3-wire)	2.0 or less (2-wire)	1.5 or less (3-wire)	3 to 11		
	φ25					8.5 to 13.5	3.5 or less	
High precision guided rodless cylinder	● Applicable switch: Proximity switch (T2W□, T3W□)							
SRG3	φ12	2 to 7		1.0 or less		-	-	I-1627
	φ16	2 to 7				-		
	φ20	3 to 8		1.5 or less		-		
	φ25	3 to 10				-		
High precision guided rodless cylinder	● Applicable switch: Proximity switch (T2Y□, T3Y□, T2W□, T3W□, T2YD), reed switch (T0□, T5□, T8□)							
SRM3	φ25	-	6 to 9	-	1.0 or less	5.5 to 11	2.0 or less	I-1655
	φ32	-	6.5 to 9			5.5 to 10		
	φ40	-	7.5 to 10.5			5.5 to 9		
	φ63	-	8 to 11			5.5 to 10		
Rodless cylinder with brake	● Applicable switch: Proximity switch (M2V, M3V, M3PV, M2WV, M3WV), reed switch (M0V, M5V)							
SRT3	φ12	4 to 13	4 to 12	1.5 or less	1.0 or less	3 to 11	3.0 or less	I-1685
	φ16	4 to 13	4 to 12			3 to 11		
	φ20	4 to 13	4 to 12			3 to 11		
	φ25	9.5 to 15.5	9 to 14	2.0 or less	1.5 or less	8.5 to 13.5	3.5 or less	
	φ32	7.5 to 15	8 to 14			7 to 13.5		
	φ40	11.5 to 17.5	10 to 16.5			10 to 16		
	φ50	16.5 to 24	14 to 21			14.5 to 21.5		
	φ63	16 to 24	14 to 21			14 to 21.5		
Rodless cylinder	● Applicable switch: Proximity switch (T2W□, T3W□)							
SRT3	φ12	2 to 7		1.0 or less		-	-	I-1685
	φ16	2 to 7				-		
	φ20	3 to 8		1.5 or less		-		
	φ25	3 to 10				-		
	φ32	3 to 10				-		
	φ40	4 to 11				-		
	φ50	9 to 16				-		
	φ63	9 to 16				-		
Magnet rodless cylinder	● Applicable switch: Proximity switch (T2□, T3□, T2W□, T3W□, T2Y□, T3Y□, T1□)							
MRL2	φ6	2 to 5	5.5 to 6.5	1.0 or less	1.0 or less	-	-	I-1713
	φ10	2.5 to 5.5	6 to 7.5			-		
	φ16	2 to 5	5.5 to 7			-		
	φ20	2 to 5	6 to 5.5			-		
	φ25	2 to 5	6 to 5.5			-		
	φ32	2 to 4.5	5.5 to 6.5			-		
Magnet rodless cylinder with high precision guide	● Applicable switch: Proximity switch (T2□, T3□, T2W□, T3W□,T2Y□, T3Y□, T1□), reed switch (T0□, T5□)							
MRG2	φ10	2 to 4.5	5.5 to 7	0.5 or less	0.5 or less	6.5 to 7.5	1 or less	I-1745
	φ16	2 to 5	6 to 7.5			7 to 8	2 or less	
	φ25	2 to 5	6 to 7			7.5 to 8	2 or less	

Operating range and hysteresis of each cylinder model with switch

(Unit: mm)

Model No.	Bore size (mm)	Proximity switch				Reed switch		Page
		Operating range		Hysteresis		Operating range	Hysteresis	
		1-color type	2-color type	1-color type	2-color type			
Clamp cylinder ● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2J□, T2W□, T3W□, T2Y□, T3Y□, T1□), reed switch (T0□, T5□, T8□)								
CAC4	φ40	2 to 6.5	5.7 to 6.5	1.5 or less	1.0 or less	6.7 to 10.8	3 or less	II-989
	φ50	2.5 to 6.0	5.9 to 6.8			7.8 to 11.3		
	φ63	2.5 to 6	6.1 to 6.8			8.2 to 11.4		
	φ80	3 to 7	7.7 to 8.5			9 to 10.9		
Clamp cylinder ● Applicable switch: Proximity switch for AC magnetic field (T2YD), reed switch for strong magnetic field (H0□)								
CAC4(-L2)	φ40	-	6 to 9	-	1.5 or less	6.7 to 10.8	3 or less	II-989
	φ50	-	6.5 to 9.5			7.8 to 11.3		
	φ63	-	6.5 to 9.5			8.2 to 11.4		
	φ80	-	6.6 to 7.9			6.6 to 7.5		
Clamp cylinder ● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2J□, T2W□, T3W□, T2Y□, T3Y□, T1□), reed switch (T0□, T5□, T8□)								
UCAC2	φ50	2.5 to 6.0	5.9 to 6.8	1.5 or less	1.0 or less	7.8 to 11.3	3 or less	II-1013
	φ63	2.5 to 6.5	6.1 to 6.8			8.2 to 11.4		
Clamp cylinder ● Applicable switch: Proximity switch for AC magnetic field (T2YD), reed switch for strong magnetic field (H0□)								
UCAC2(-L2)	φ50	-	6.5 to 9.5	-	1.5 or less	7.8 to 11.3	3 or less	II-1013
	φ63	-	6.5 to 9.5			8.2 to 11.4		
Lightweight clamp cylinder ● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2J□, T2Y□, T3Y□, T2YD, T1□), reed switch (T0□, T5□, T8□)								
CAC	φ32	2.5 to 6	3.5 to 8	1.5 or less	1.0 or less	6.5 to 11.5	3 or less	II-1027
	φ40	3 to 7	4 to 9			7.5 to 13.5		
Position locking, lightweight clamp cylinder ● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2J□, T2Y□, T3Y□, T2YD, T1□), reed switch (T0□, T5□, T8□)								
UCAC	φ32	2.5 to 6	3.5 to 8	1.5 or less	1.0 or less	6.5 to 11.5	3 or less	II-1027
	φ40	3 to 7	4 to 9			7.5 to 13.5		
Rotary clamp cylinder ● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2W□, T3W□, T2Y□, T3Y□, T2YD), reed switch (T0□, T5□)								
RCC2	φ16	2 to 5	3 to 7	1.5 or less	1.0 or less	4 to 9	3 or less	II-1047
	φ20	3 to 8	4.5 to 8			6 to 14		
	φ25	3 to 9	4.5 to 8			5 to 14		
	φ32	3 to 8	4.5 to 8			5 to 12		
	φ40	3 to 9	5 to 8.5			6 to 14		
	φ50	3 to 9	5.5 to 9.5			6 to 14		
	φ63	3 to 9	5.5 to 9.5			7 to 15		
Rotary clamp cylinder ● Applicable switch: Proximity switch (T2□, T3□, T2W□, T3W□), reed switch (T0□, T5□)								
RCS	φ16	2 to 5	3 to 7	1.5 or less	1.0 or less	4 to 9	3 or less	II-1069
High power cylinder ● Applicable switch: Proximity switch (R1, R2, R3, R2Y, R3Y), reed switch (R0, R4, R5, R6)								
SHC	φ40	6.5 to 11.5		1.5 or less		9.5 to 12.5	3.0 or less	II-1095
	φ50	8 to 12.5				10.5 to 14.5		
	φ63	7.5 to 12.5				10.5 to 14.5		
	φ80	8 to 13.5				11.5 to 15.5		
	φ100	8 to 14				12 to 16		
High power cylinder ● Applicable switch: Reed switch (H0)								
SHC	φ40	-		-		4 to 7	3.0 or less	II-1095
	φ50	-				5 to 7.5		
	φ63	-				5 to 8		
	φ80	-				5 to 8		
	φ100	-				5 to 8		

Operating range and hysteresis of each cylinder model with switch

Model No.	Bore size (mm)	Proximity switch				Reed switch		Page
		Operating range		Hysteresis		Operating range	Hysteresis	
		1-color type	2-color type	1-color type	2-color type			
Mechanical power cylinder ● Applicable switch: Proximity switch (T2□, T3□, T3P□, T2J□, T2W□, T3W□, T2Y□, T3Y□, T1□), reed switch (T0□, T5□, T8□)								
MCP-S	2t	4 to 10	6 to 10	1.5 or less	1.0 or less	7 to 15	3 or less	II-1033
	5t	4 to 10	8 to 10			9 to 15		
MCP-W (rapid feed part)	2t	3.5 to 6.0	4.6 to 9.2	1.5 or less	1.0 or less	7.6 to 12.8	3 or less	
	5t	4.0 to 8	5.5 to 11.9			8.9 to 14.1		
Guideless cylinder ● Applicable switch: Proximity switch (R1, R2, R3, R2Y, R3Y), reed switch (R0, R4, R5, R6)								
GLC	φ40	7 to 17		1.5 or less		11.5 to 16.5	3.0 or less	II-1151
	φ50	9 to 17				13 to 18		
	φ63	10 to 18				15 to 20		
	φ80	8 to 19				15 to 20		
	φ100	11 to 20.5				13.5 to 19		
Guideless cylinder ● Applicable switch: Reed switch (H0)								
GLC	φ40	-		-		4 to 9	3.0 or less	II-1151
	φ50	-				4 to 9		
	φ63	-				4 to 10		
	φ80	-				5 to 11		
	φ100	-				5 to 11		
Rotary actuator ● Applicable switch: Proximity switch (T2□, T3□, T2W□, T3W□, T2Y□, T3Y□, T1□), reed switch (T0□, T5□, T8□)								
RRC	8	15° to 60°	20° to 70°	-	-	70° to 90°	-	II-1241
	32	10° to 30°	10° to 30°			30° to 40°		
	63	10° to 30°	10° to 30°			30° to 40°		
Table rotary actuator ● Applicable switch: Proximity switch (T2□, T3□, T2W□, T3W□, T2Y□, T3Y□, T1□)								
GRC	5	10° to 35°	30° to 40°	-	-	-	-	II-1255
	10	5° to 30°	20° to 30°			-		
	20	10° to 35°	25° to 35°			-		
	30	5° to 25°	15° to 25°			-		
	50	5° to 25°	15° to 25°			-		
	80	5° to 25°	15° to 25°			-		
Compact rotary actuator ● Applicable switch: Proximity switch (SR-□)								
RV3*	3	15°±7°	-	3° or less	-	-	-	II-1293
	10	15°±7°	-					
	20	15°±7°	-					
	30	15°±7°	-					
Compact rotary actuator ● Applicable switch: Proximity switch (FR-□)								
RV3*	3	23°±7°	-	2° or less	-	-	-	II-1293
	10	23°±7°	-					
	20	23°±7°	-					
	30	23°±7°	-					
Compact rotary actuator ● Applicable switch: Proximity switch (M2V, M3V, M3PV), reed switch (M0V, M5V)								
RV3*	50	Approx. 40°	-		-	Approx. 25°	-	II-1293
	150	Approx. 25°	-			Approx. 15°		
	300	Approx. 25°	-			Approx. 15°		
	800	Approx. 25°	-			Approx. 15°		