

Configurable Stroke Type

Part Number	Type	Tube I.D. (mm)	St Stroke (mm)	Cylinder Body End Shape Selection	Piston Rod Tip Shape <small>Table 1</small>					Gasket Selection	Bracket for Cylinder <small>Table 2</small>							
					Shape AM (Thread Dia.) Selection	Shape BM (Thread Dia.) Selection	Shape CP (mm) Increment	Shape DR Selection	Shape ER Selection		Shape FS (Arc Tip) Selection	Type	Qty.					
MSCCS	12	5~30	A (Standard Type)	3	4	5	3	3~5	2	3	2	3	NB (Nitrile Rubber)	(No Bracket) TK	0 (Without TK bracket, specify 0.)			
				4	5	6	3	4	3~7	2	3	4						
				5	6	8	3	4	5	3	4	5						
	25	5~50	B (Rod Side Piloted)	5	6	8	10	4	5	6	4~10	4	5	6	VT (Fluorine Rubber)	(Foot) KFB KFM	1	
				6	8	10	12	14	5	6	8	5~14	5	6				8
				6	8	10	12	14	5	6	8	5~14	5	6				8
40	5~100	C (Head Side Piloted)	6	8	10	12	14	5	6	8	5~14	5	6	8	TKB TKM	2		
			8	10	12	14	16	18	6	8	10	8~18	6	8			10	

⚠ Cylinder brackets cannot be installed on the pilot side for the types with cylinder end Shapes B and C. ⚠ Please purchase sensors separately (See below).

Ordering Example

Part Number	St Stroke	Cylinder Body End Shape	Piston Rod Tip Shape	Gasket	Bracket for Cylinder
Type Tube Dia.	Type	Type	Type	Type	Qty.
MSCCN 20	35				
MSCCS 20	38	B	BM4	VT	KFB 1

Alterations

Part Number	St Stroke	Cylinder Body End Shape	Piston Rod Tip Shape	Gasket	Bracket for Cylinder	(TC, TH)
Type Tube Dia.	Type	Type	Type	Type	Qty.	
MSCCS 20	50	B	DR5	NB	TK	0 TH

Code	Cold Weather Resistance Specification	Heat Resistance Specification
	TC	TH
Spec.	Usable in the ambient temperature range from -40°C to 60°C. Changes to low temp. resistant grease and low nitrile rubber gaskets. Low temp. resistant sensors for cylinders are not available.	Usable in the ambient temperature range from 5°C to 120°C. Changes to heat resistant grease, fluororubber gaskets and cylinder sensors are not available.

⚠ Applicable to Configurable Stroke Type only.

⚠ When specifying TC or TH alterations, select NB (Nitrile Rubber) for gaskets.

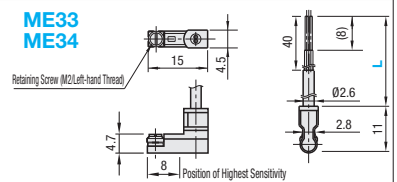
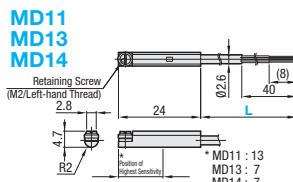
<Price Calculation Example> MSCCS20-38-A-AM5-VT-KFB1
Cylinder Body Price + Surcharge for Cylinder Body End Shape + Surcharge for Piston Rod Tip Shape

+ Surcharge for Gasket + (Bracket Unit Price x Quantity)

Tube I.D. (mm)	MSCCS Body Price							Surcharge for Piston Rod Tip Shape (Body Price +)					
	St Stroke (mm)							AM	BM	CP	DR	ER	FS
12	5-10	11-20	21-30	31-40	41-50	51-75	76-100						
16													
20													
25													
32													
40													
50													

Tube I.D. (mm)	Surcharge for Cylinder Body End Shape (Body Price +)			Surcharge for Gasket (Body Price+)		Bracket Unit Price (Body Price +)				
	A	B	C	NB	VT	TK	KFB	KFM	TKB	TKM
12										
16										
20										
25										
32										
40										
50										

Sensors for Cylinders



Part Number	Type	L	Load Voltage	Load Current	Indicator Light	Sensor Type	Line	Wire Exit	Unit Price	
									L1 (1m)	L3 (3m)
MD11	L1 (1m) L3 (3m)		24VDC	24VDC 5~40mA	LED (Lights when ON)	Contact	2-Line	Rear		
MD13			110VAC	110VAC 5~20mA		No Contact	3-Line			
MD14			28VDC or Less	0.1~40mA		No Contact	2-Line			
ME33			28VDC or Less	0.1~40mA		No Contact	3-Line			
ME34			10~28VDC	5~20mA		No Contact	2-Line		Top	

⚠ Operating Temp. Range : 0 ~ 60°C

⚠ For detailed specifications of the Sensors, see P.1484.

Ordering Example

Part Number	MD14L1
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