

High Speed / High Frequency Cylinder

∅ 20, ∅ 25, ∅ 32

New

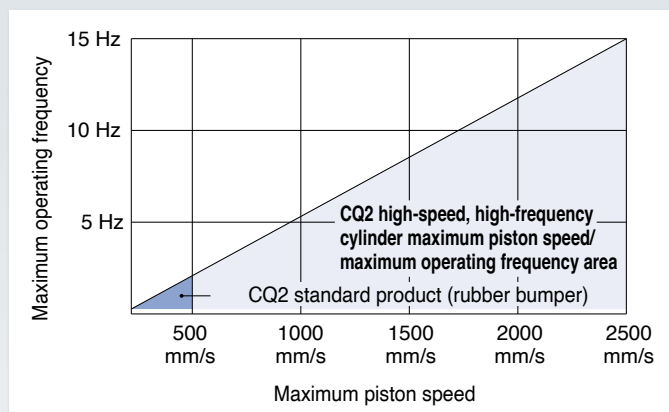
RoHS

Maximum piston speed:

2500 mm/s (→ Refer to page 9.)

Maximum operating frequency:

15 Hz (→ Refer to page 9.)



(CQ2: Based on SMC's recommended circuit conditions when the stroke is 5 mm)

Kinetic energy:

1.5 times (Compared with the standard product)

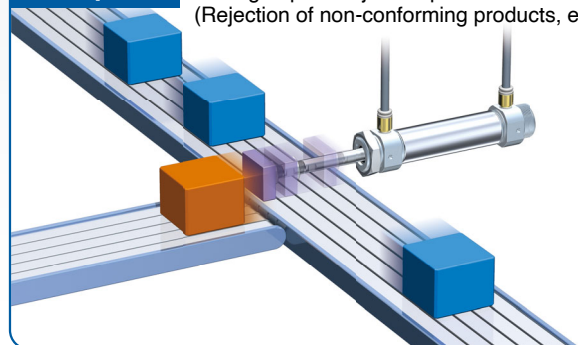
- Reduced impact due to revision of cushion structure
- Reduced weight of moving parts (piston rod, piston, etc.)



Application Examples

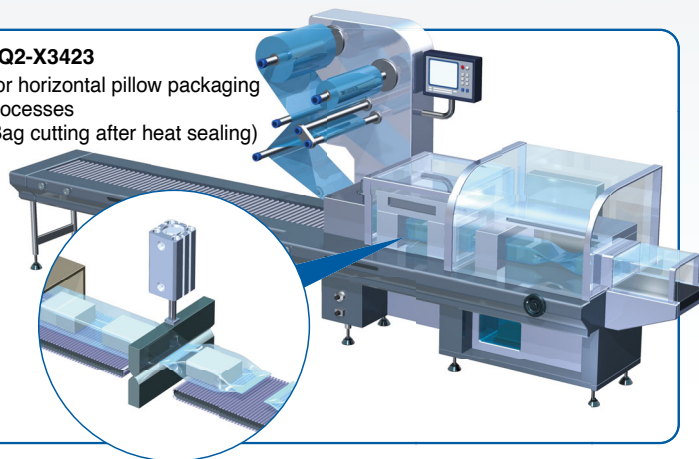
CM2-X3423

For high-speed rejection processes
(Rejection of non-conforming products, etc.)





CQ2-X3423

For horizontal pillow packaging processes
(Bag cutting after heat sealing)



Applicable Cylinder

Series	Maximum piston speed	Maximum operating frequency	Bore size [mm]			Cushion	Stroke [mm]	Mounting bracket	Auto switch
			20	25	32				
 CM2-X3423	2500 mm/s	12 Hz (at 25 mm stroke)	●	●	●	Rubber	25 to 100	Basic Foot bracket Flange	D-M9□ D-F7NJ
 CQ2-X3423		15 Hz (at 5 mm stroke)	●	●	●				

CM2/CQ2-X3423



CAT.EUS20-323A-UK

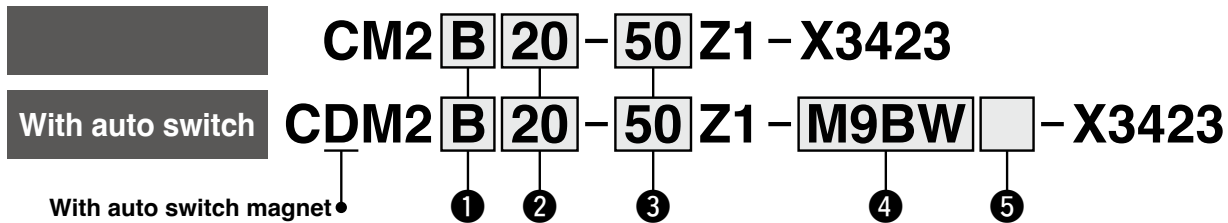
High Speed / High Frequency Cylinder

CM2-X3423

∅ 20, ∅ 25, ∅ 32

RoHS

How to Order



① Mounting

B	Basic (Double-side bossed)
L	Axial foot bracket
F	Rod flange
G	Head flange

② Bore size

20	20 mm
25	25 mm
32	32 mm

③ Cylinder stroke

Bore size	Standard stroke [mm]
20, 25, 32	25, 50, 75, 100

④ Auto switch

—	Without auto switch
---	---------------------

- * For applicable auto switches, refer to the table below.
- * The rail can only be mounted on the right side when viewed from the piston rod side. (Refer to page 16 for details.)

⑤ Number of auto switches

—	2
S	1
n	n

Applicable Auto Switches / Refer to the catalogue on www.smc.eu for further information on auto switches.

Type	Special function	Electrical entry	Indicator light	Wiring (Output)	Load voltage		Auto switch model		Lead wire length [m]					Pre-wired connector	Applicable load			
					DC	AC	Perpendicular	In-line	0.5 (—)	1 (M)	3 (L)	5 (Z)	None (N)		IC circuit	Relay, PLC		
Solid state auto switch	—	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	M9NV	M9N	●	●	●	○	—	○	IC circuit	Relay, PLC	
				3-wire (PNP)				M9PV	M9P	●	●	●	○	—	○			
				2-wire				M9BV	M9B	●	●	●	○	—	○			—
				3-wire (NPN)				M9NVV	M9NV	●	●	●	○	—	○			IC circuit
	Diagnostic indication (2-colour indicator)			3-wire (PNP)	M9PVV	M9PV	●	●	●	○	—	○	—					
				2-wire	M9BVV	M9BV	●	●	●	○	—	○	—					
	Heat resistant (2-colour indicator)			3-wire (NPN)	—	—	—	—	—	—	—	—	●	—	—	—		—
				—	F7NJ	—	—	—	—	—	—	—	—	—	—	—		—

- * Lead wire length symbols: 0.5 m..... — (Example) M9N
1 m..... M (Example) M9NM
3 m..... L (Example) M9NL
5 m..... Z (Example) M9NZ

- * Solid state auto switches marked with a "○" are produced upon receipt of order.

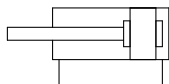
- * Auto switch mounting method is rail mounting.
- * Screws and nuts for 2 auto switches come with the rail.
- * The auto switches and auto switch mounting brackets are packed together (not assembled).
- * Use D-F7NJ heat-resistant auto switches when continuously operating at high speed/high frequency for long periods of time.

Specifications



Symbol

Double acting, Single rod



Bore size [mm]	20	25	32
Action	Double acting, Single rod		
Fluid	Air		
Proof pressure	1.0 MPa		
Max. operating pressure	0.7 MPa		
Min. operating pressure	0.05 MPa		
Ambient and fluid temperatures	-10 to 40 °C (No freezing)		
Lubrication	Not required (Non-lube)		
Piston speed	750 to 2500 mm/s		
Cushion	Rubber bumper		
Rod end thread	Male thread		
Allowable kinetic energy [J]	0.41	0.6	0.98
Stroke length tolerance	0 to +1.4 mm*1		

*1 Stroke length tolerance does not include the amount of bumper change.

Mounting Brackets/Part Nos.

Mounting bracket	Min. order quantity	Bore size [mm]			Contents (for min. order quantity)
		20	25	32	
Foot bracket	2	CM-L020B	CM-L032B		2 foot brackets, 1 mounting nut
Foot bracket	1	CMZ1-L020B	CMZ1-L032B		1 foot bracket
Flange	1	CM-F020B	CM-F032B		1 flange

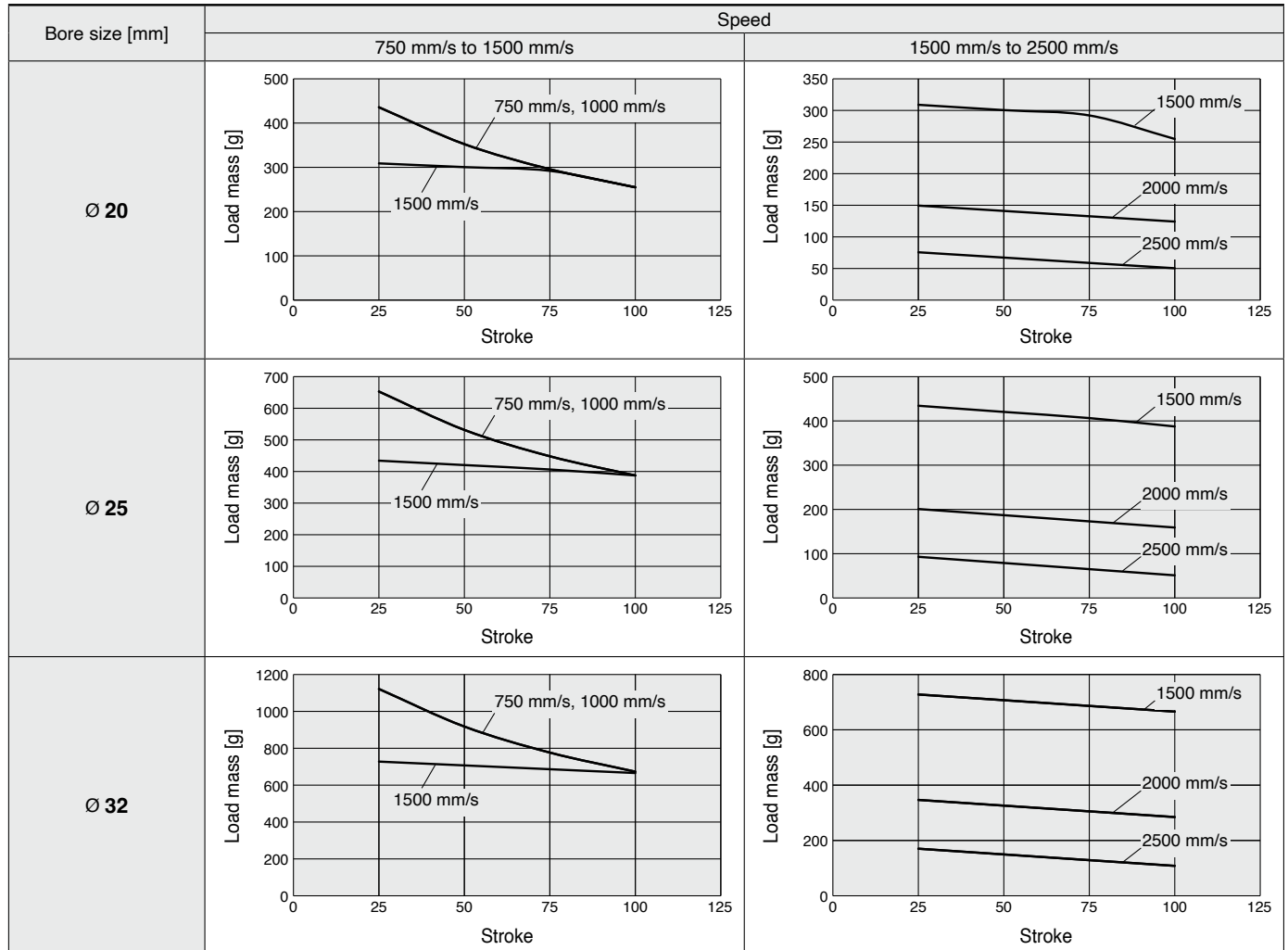
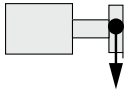
* Order two foot brackets per cylinder.

* A single foot is available.

CM2-X3423

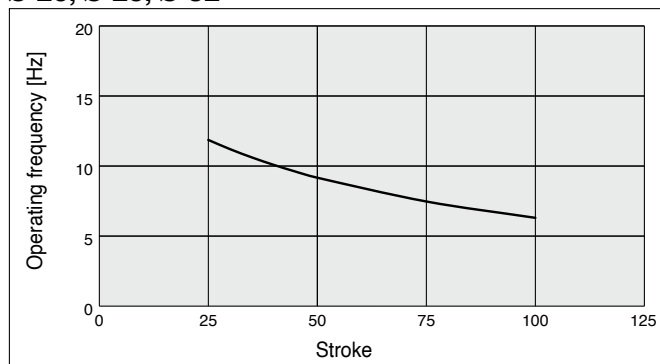
Allowable Lateral Load at Rod End

Mounting orientation:
Horizontal



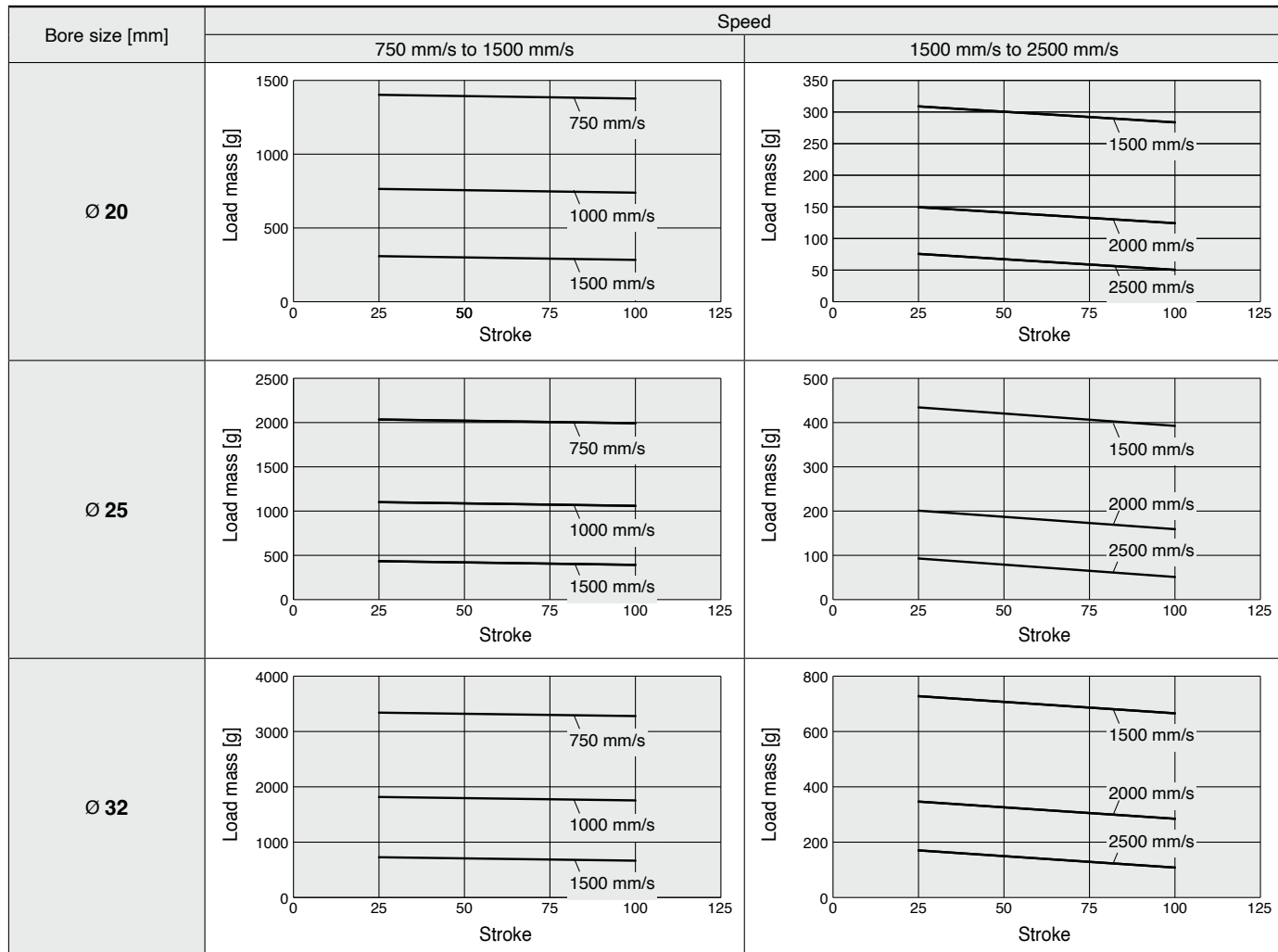
Operating Frequency (Guide)

Ø 20, Ø 25, Ø 32



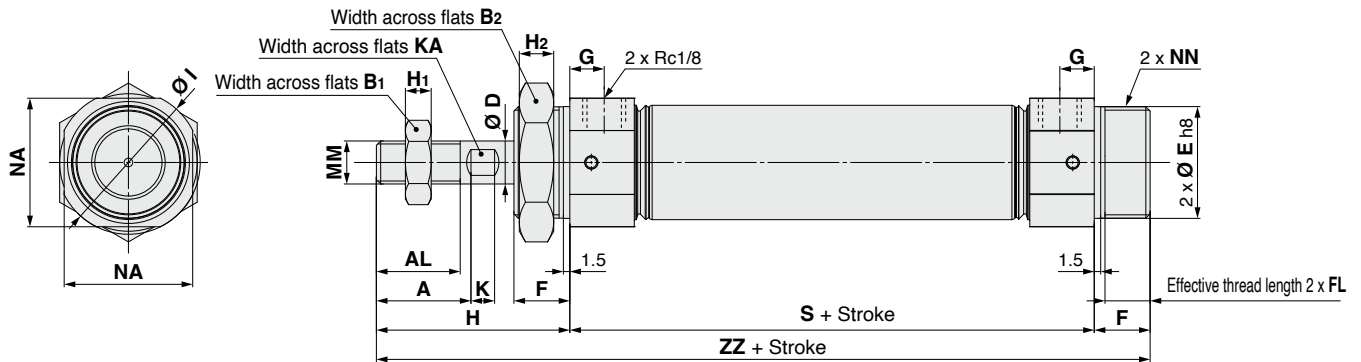
Allowable Lateral Load at Rod End

Mounting orientation:
Vertical



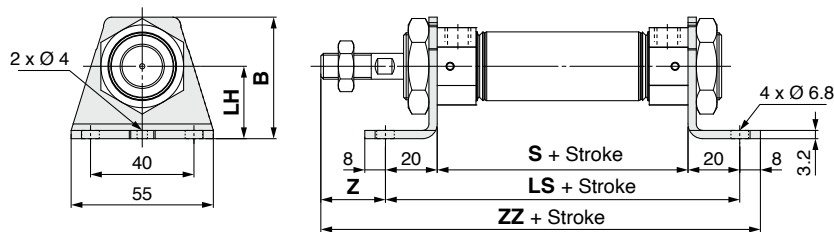
CM2-X3423

Dimensions: Mounting Brackets



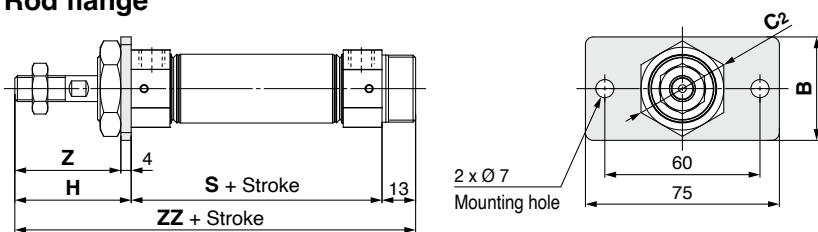
Bore size	Standard stroke	A	AL	B ₁	B ₂	D	E	F	FL	G	H	H ₁	H ₂	I	K	KA	MM	NA	NN	S	ZZ
20	25, 50, 75, 100	18	15.5	13	26	8	20 ⁰ _{-0.033}	13	10.5	8	41	5	8	28	5	6	M8 x 1.25	24	M20 x 1.5	77	131
25		22	19.5	17	32	10	26 ⁰ _{-0.033}	13	10.5	8	45	6	8	33.5	5.5	8	M10 x 1.25	30	M26 x 1.5	82	140
32		22	19.5	17	32	12	26 ⁰ _{-0.033}	13	10.5	8	45	6	8	37.5	5.5	10	M10 x 1.25	34.5	M26 x 1.5	84	142

Foot bracket



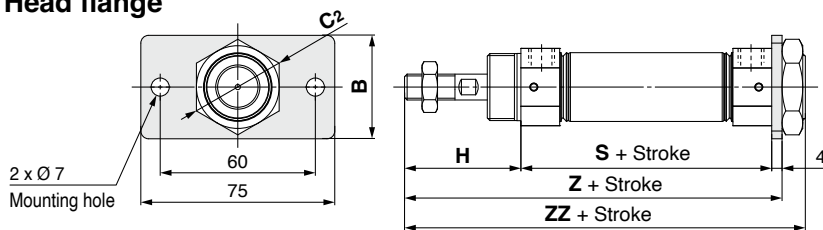
Bore size	B	LH	LS	S	Z	ZZ
20	40	25	117	77	21	146
25	47	28	122	82	25	155
32	47	28	124	84	25	157

Rod flange



Bore size	B	C ₂	H	S	Z	ZZ
20	34	30	41	77	37	131
25	40	37	45	82	41	140
32	40	37	45	84	41	142

Head flange



Bore size	B	C ₂	H	S	Z	ZZ
20	34	30	41	77	122	131
25	40	37	45	82	131	140
32	40	37	45	84	133	142

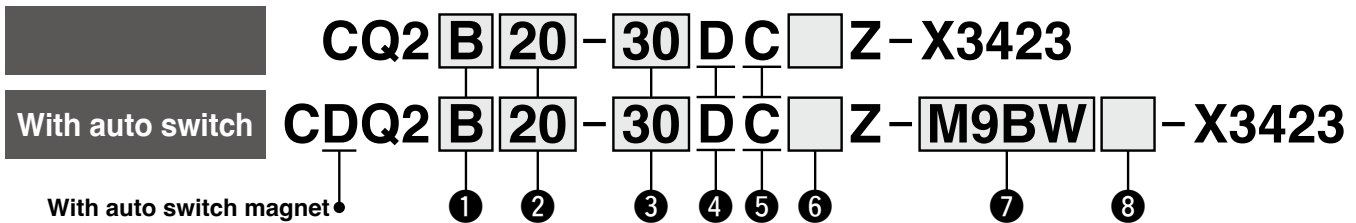
High Speed / High Frequency Cylinder

CQ2-X3423

∅ 20, ∅ 25, ∅ 32



How to Order



① Mounting

B	Through-hole/Both ends tapped common (Standard)
L	Foot bracket
LC	Compact foot bracket
F	Rod flange
G	Head flange

② Bore size

20	20 mm
25	25 mm
32	32 mm

③ Cylinder stroke

Bore size	Standard stroke [mm]
20, 25, 32	5, 10, 15, 20, 25, 30, 35, 40, 45, 50

④ Action

D	Double acting
----------	---------------

⑤ Cushion

C	Rubber bumper
----------	---------------

⑥ Body option

—	Standard (Rod end female thread)
M	Rod end male thread

⑦ Auto switch

—	Without auto switch
---	---------------------

* For applicable auto switches, refer to the table below.

⑧ Number of auto switches

—	2
S	1
n	n

Applicable Auto Switches / Refer to the catalogue on www.smc.eu for further information on auto switches.

Type	Special function	Electrical entry	Indicator/light	Wiring (Output)	Load voltage		Auto switch model		Lead wire length [m]*2					Pre-wired connector	Applicable load		
					DC	AC	Perpendicular	In-line	0.5 (-)	1 (M)	3 (L)	5 (Z)	None (N)		IC circuit	Relay, PLC	
Solid state auto switch	—	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	M9NV	M9N	●	●	●	○	—	○	IC circuit	Relay, PLC
				3-wire (PNP)				M9PV	M9P	●	●	●	○	—	○		
	2-wire			M9BV				M9B	●	●	●	○	—	○	—	IC circuit	
	3-wire (NPN)			M9NVV				M9NV	●	●	●	○	—	○			
	3-wire (PNP)			M9PVV				M9PV	●	●	●	○	—	○			
	2-wire			M9BVV				M9BV	●	●	●	○	—	○			

* Lead wire length symbols: 0.5 m..... (Example) M9NW
 1 m..... M (Example) M9NWM
 3 m..... L (Example) M9NWL
 5 m..... Z (Example) M9NWZ

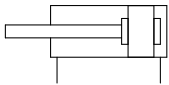
* Solid state auto switches marked with a "○" are produced upon receipt of order.

Specifications



Symbol

Double acting, Single rod



Bore size [mm]	20	25	32
Action	Double acting, Single rod		
Fluid	Air		
Proof pressure	1.0 MPa		
Max. operating pressure	0.7 MPa		
Min. operating pressure	0.05 MPa		
Ambient and fluid temperatures	-10 to 40 °C (No freezing)		
Lubrication	Not required (Non-lube)		
Piston speed	500 to 2500 mm/s		
Cushion	Rubber bumper		
Allowable kinetic energy [J]	0.16	0.27	0.43
Stroke length tolerance	0 to +1.0 mm*1		

*1 Stroke length tolerance does not include the amount of bumper change.

Mounting Brackets/Part Nos.

Bore size [mm]	Foot bracket*1	Compact foot bracket*1	Flange
20	CQ-L020-X3423	CQ-LC020-X3423	CQS-F020
25	CQ-L025-X3423	CQ-LC025-X3423	CQS-F025
32	CQ-L032-X3423	CQ-LC032-X3423	CQS-F032-X3423

*1 When ordering foot and compact foot brackets, order 2 pieces per cylinder.

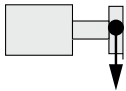
* Parts included with each type of bracket are as follows.

Foot, Compact foot, Flange: Body mounting bolts

CQ2-X3423

Allowable Lateral Load at Rod End

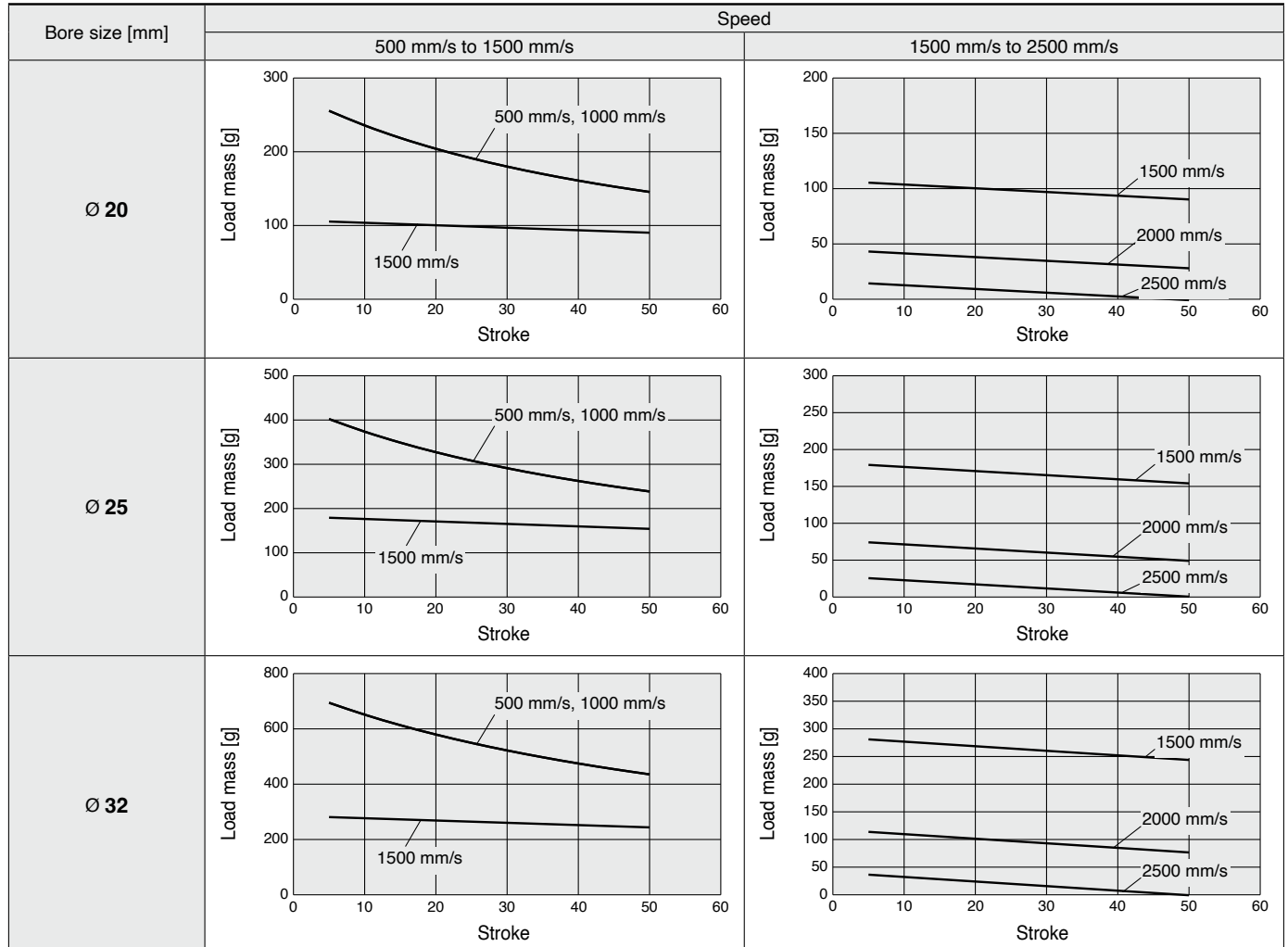
Mounting orientation:
Horizontal



* When selecting the rod end male thread type, subtract the moving parts additional mass (table on the right) from the load mass (tables below) to find the load mass.

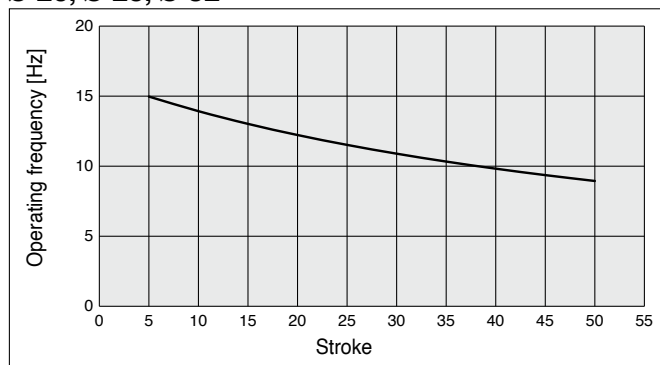
Male Thread Type Additional Mass

Bore	Moving parts additional mass
Ø 20	4.5 g
Ø 25	10.0 g
Ø 32	18.0 g



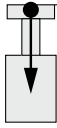
Operating Frequency (Guide)

Ø 20, Ø 25, Ø 32



Allowable Lateral Load at Rod End

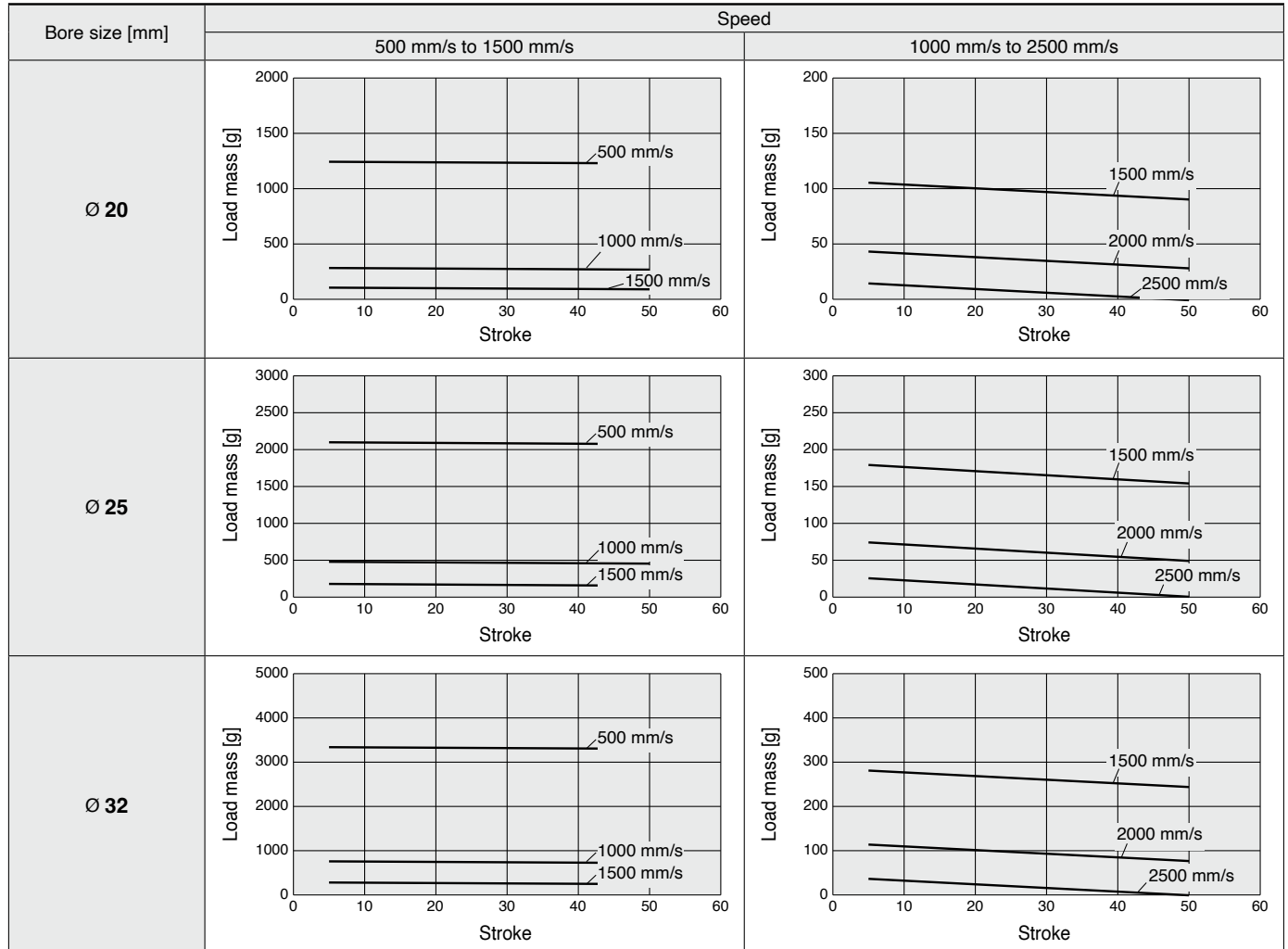
Mounting orientation: Vertical



* When selecting the rod end male thread type, subtract the moving parts additional mass (table on the right) from the load mass (tables below) to find the load mass.

Male Thread Type Additional Mass

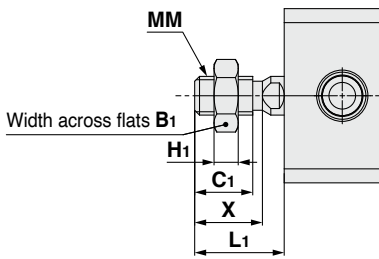
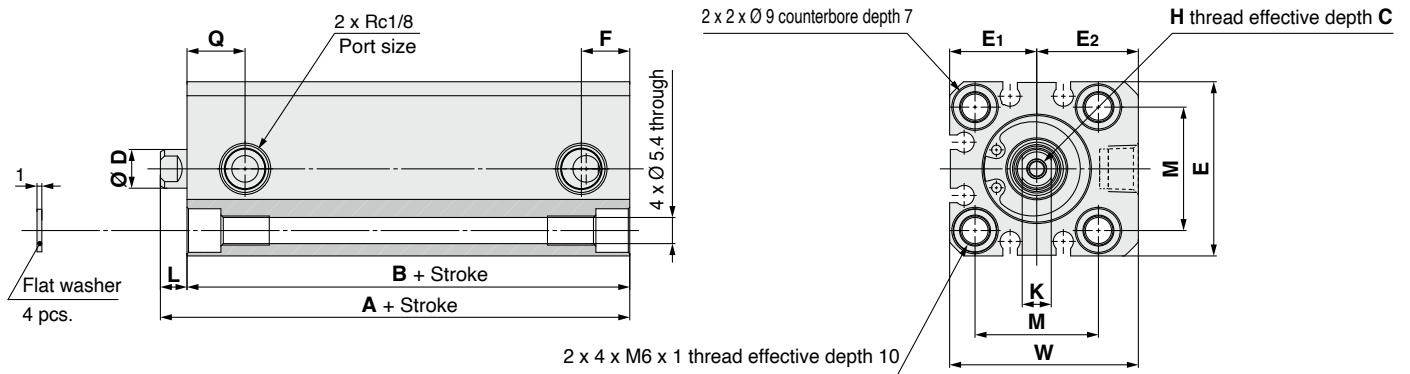
Bore	Moving parts additional mass
Ø 20	4.5 g
Ø 25	10.0 g
Ø 32	18.0 g



CQ2-X3423

Dimensions

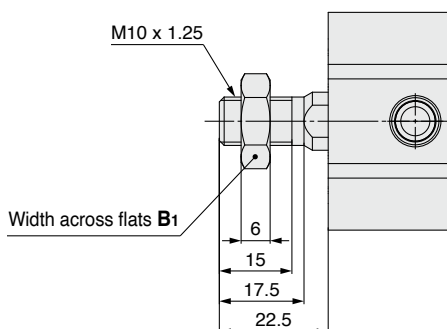
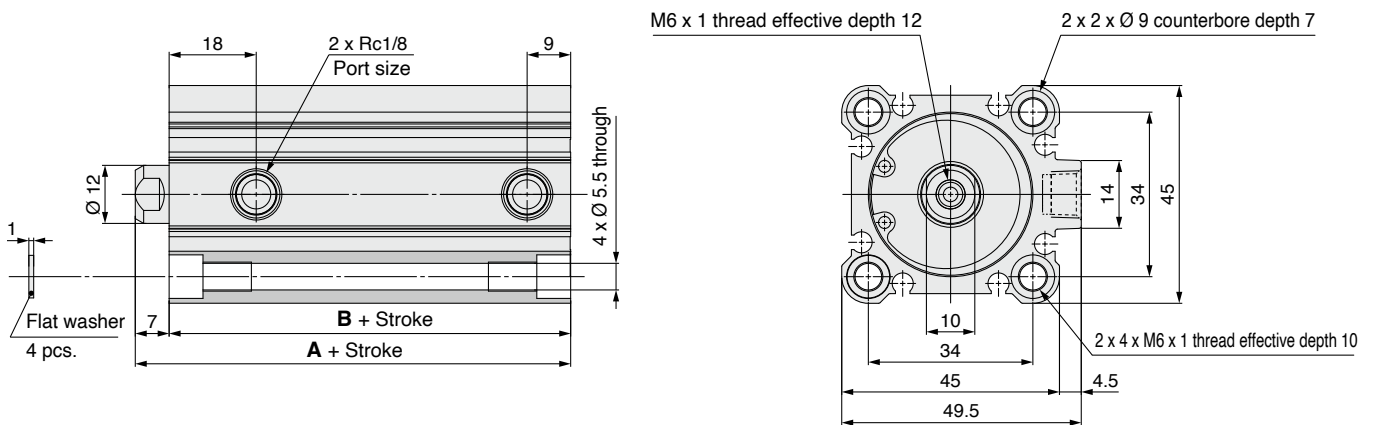
Ø 20, Ø 25



Bore size	Stroke range	Without auto switch		With auto switch		C	D	E	E ₁	E ₂	F	H
		A	B	A	B							
20	5 to 50	50.5	46	60.5	56	8	8	36	18	21	10	M4 x 0.7
25		54	49	64	59	7	10	40	20	23.5	10	M5 x 0.8

Bore size	Stroke range	K	L	M	Q	W	B ₁	C ₁	H ₁	L ₁	MM	X
20	5 to 50	6	4.5	25.5	12	39	13	12	5	18.5	M8 x 1.25	14
25		8	5	28	11	43.5	17	15	6	22.5	M10 x 1.25	17.5

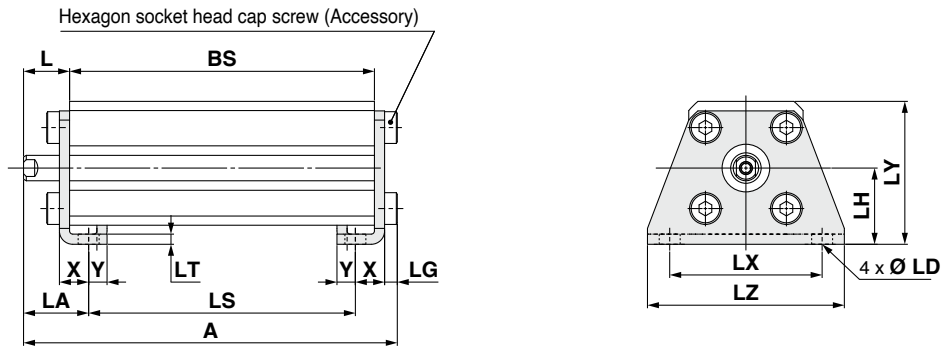
Ø 32



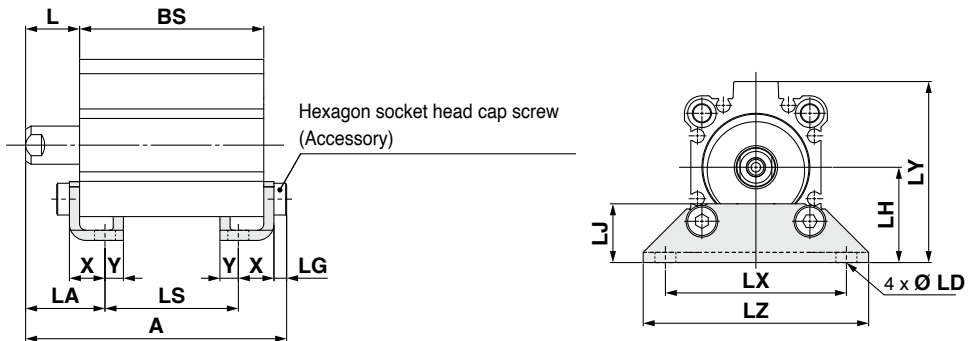
Bore size	Stroke range	Without auto switch		With auto switch	
		A	B	A	B
32	5 to 50	60	53	70	63

Dimensions: Mounting, Foot Bracket

Ø 20, Ø 25



Ø 32

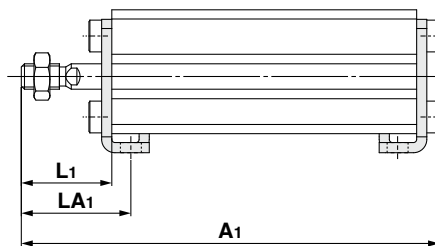


* BS indicates the overall length of the cylinder tube to be used.

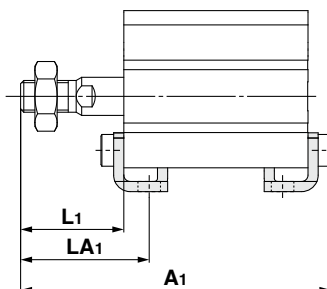
Bore size	Part no.	A	A ₁	L	L ₁	LA	LA ₁	LD	LG	LH	LJ	LS	LT	LX	LY	LZ	X	Y
20	CQ-L020-X3423	BS + 21.7	BS + 35.7	14.5	28.5	20.5	34.5	6.6	4	24	—	BS-12	3.2	48	45	62	9.2	5.8
25	CQ-L025-X3423	BS + 22.2	BS + 39.7	15	32.5	22.5	40	6.6	4	26	—	BS-15	3.2	52	49.5	66	10.7	5.8
32	CQ-L032-X3423	BS + 24.2	BS + 39.7	17	32.5	25	40.5	6.6	4	30	18.5	BS-16	3.2	57	57	71	11.2	5.8

Rod end male thread

Ø 20, Ø 25



Ø 32

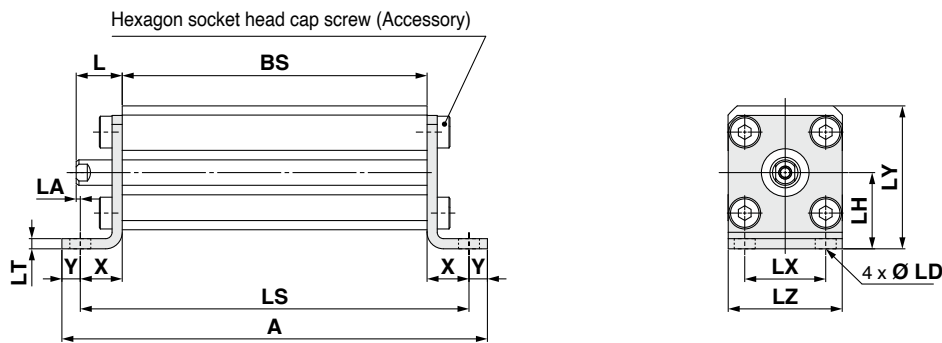


Bore size	A ₁	L ₁	LA ₁
20	BS + 35.7	28.5	34.5
25	BS + 39.7	32.5	40
32	BS + 39.7	32.5	40.5

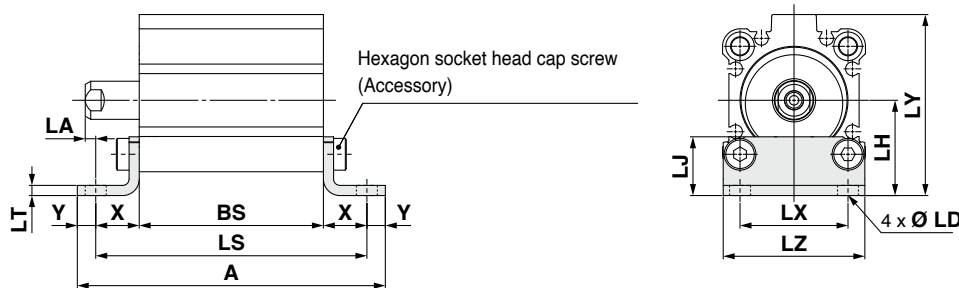
CQ2-X3423

Dimensions: Mounting, Compact Foot Bracket

Ø 20, Ø 25



Ø 32

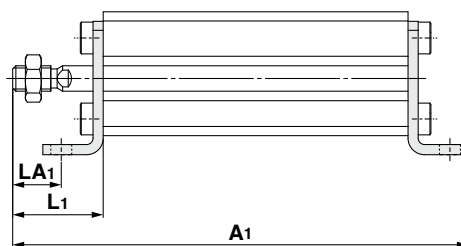


* BS indicates the overall length of the cylinder tube to be used.

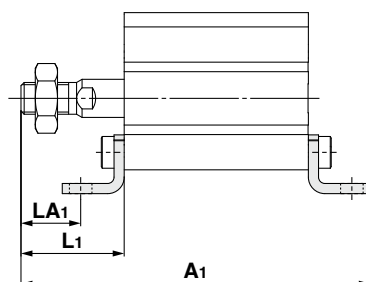
Bore size	Part no.	A	A ₁	L	L ₁	LA	LA ₁	LD	LH	LJ	LS	LT	LX	LY	LZ	X	Y
20	CQ-LC020-X3423	BS + 38	BS + 47.5	14.5	28.5	1.3	15.3	6.6	24	—	BS + 26.4	3.2	25.5	42	36	13.2	5.8
25	CQ-LC025-X3423	BS + 38	BS + 51.5	15	32.5	1.8	19.3	6.6	26	—	BS + 26.4	3.2	28	46	40	13.2	5.8
32	CQ-LC032-X3423	BS + 39	BS + 52	17	32.5	3.3	18.8	6.6	30	18.5	BS + 27.4	3.2	34	57	45	13.7	5.8

Rod end male thread

Ø 20, Ø 25



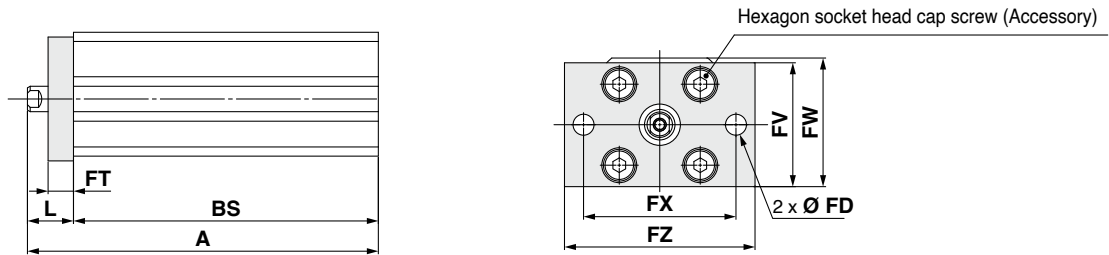
Ø 32



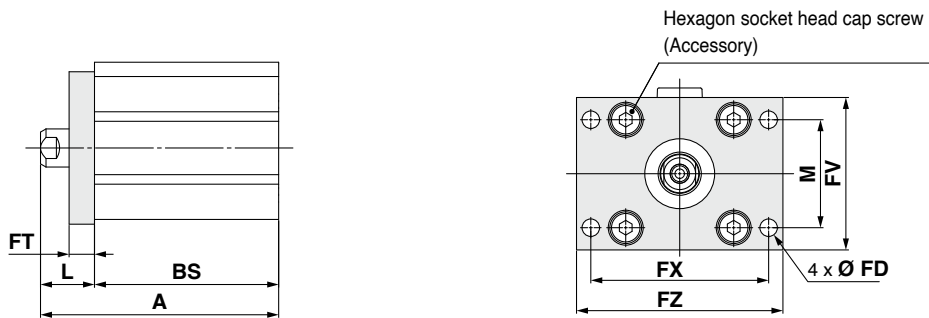
Bore size	A ₁	L ₁	LA ₁
20	BS + 47.5	28.5	15.3
25	BS + 51.5	32.5	19.3
32	BS + 52	32.5	18.8

Dimensions: Mounting, Rod Flange

Ø 20, Ø 25



Ø 32

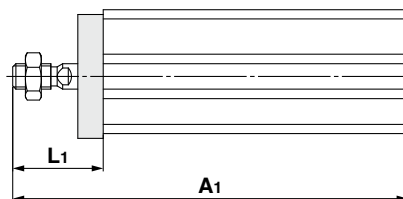


* BS indicates the overall length of the cylinder tube to be used.

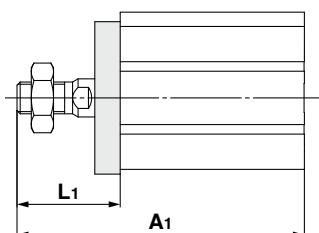
Bore size	Part no.	A	A ₁	A ₂	A ₃	FD	FT	FV	FX	FZ	L	L ₁	L ₂	L ₃	M
20	CQS-F020	BS + 14.5	BS + 28.5	BS + 12.5	BS + 26.5	6.6	8	39	48	60	14.5	28.5	4.5	18.5	—
25	CQS-F025	BS + 15	BS + 32.5	BS + 13	BS + 30.5	6.6	8	42	52	64	15	32.5	5	22.5	—
32	CQ-F032-X3423	BS + 17	BS + 32.5	BS + 15	BS + 30.5	5.5	8	48	56	65	17	32.5	7	22.5	34

Rod end male thread

Ø 20, Ø 25



Ø 32

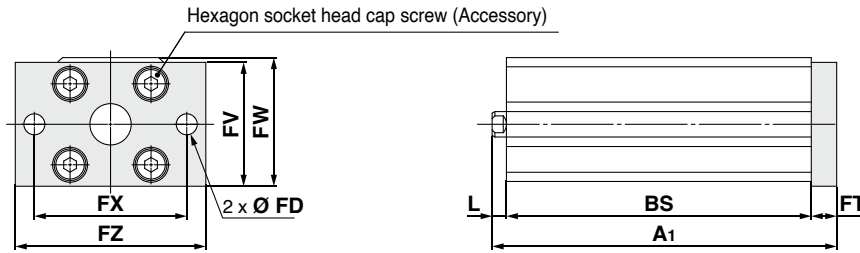


Bore size	A ₁	L ₁
20	BS + 28.5	28.5
25	BS + 32.5	32.5
32	BS + 32.5	32.5

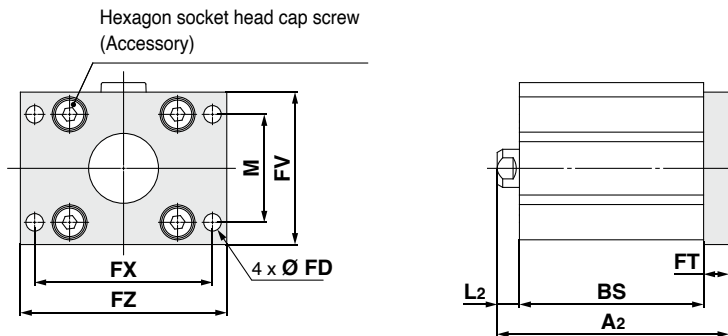
CQ2-X3423

Dimensions: Mounting, Head Flange

Ø 20, Ø 25



Ø 32

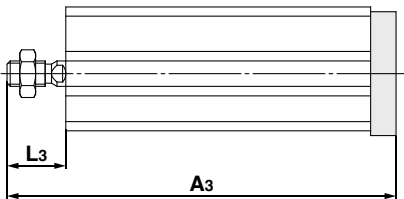


* BS indicates the overall length of the cylinder tube to be used.

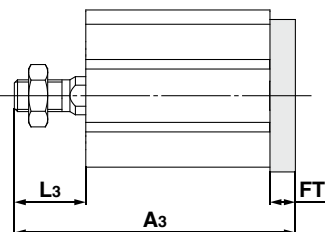
Bore size	Part no.	A	A ₁	A ₂	A ₃	FD	FT	FV	FX	FZ	L	L ₁	L ₂	L ₃	M
20	CQS-F020	BS + 14.5	BS + 28.5	BS + 12.5	BS + 26.5	6.6	8	39	48	60	14.5	28.5	4.5	18.5	—
25	CQS-F025	BS + 15	BS + 32.5	BS + 13	BS + 30.5	6.6	8	42	52	64	15	32.5	5	22.5	—
32	CQ-F032-X3423	BS + 17	BS + 32.5	BS + 15	BS + 30.5	5.5	8	48	56	65	17	32.5	7	22.5	34

Rod end male thread

Ø 20, Ø 25

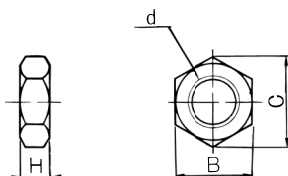


Ø 32



Bore size	A ₃	L ₃
20	BS + 26.5	18.5
25	BS + 30.5	22.5
32	BS + 30.5	22.5

Rod End Nut

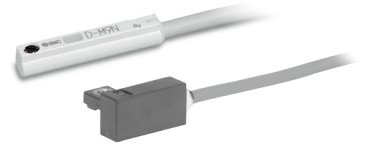


Bore size	Part no.	d	H	B	C
20	NT-02	M8 x 1.25	5	13	15.0
25, 32	NT-03	M10 x 1.25	6	17	19.6

CM2-X3423

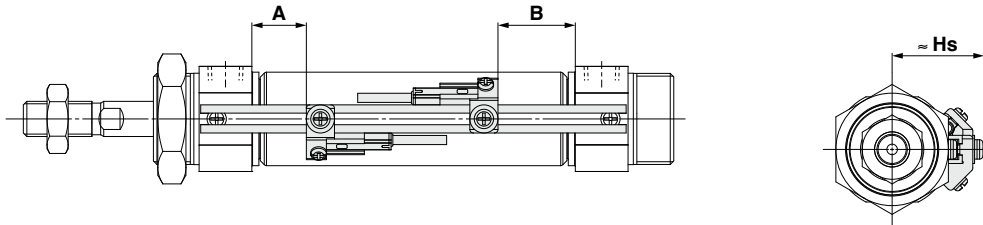
D-M9, D-F7NJ

Auto Switch Mounting

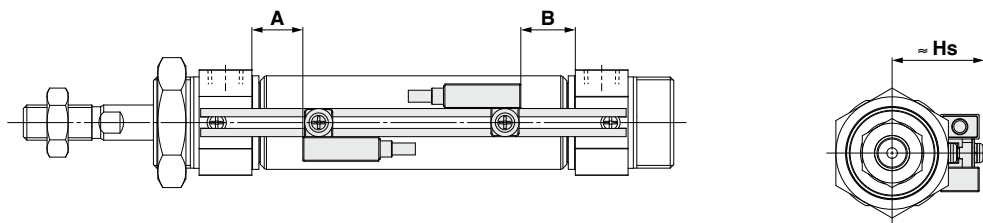


Auto Switch Proper Mounting Position (Detection at stroke end) and Mounting Height

D-M9□(V), D-M9□W(V)



D-F7NJ



[mm]

Bore size	Auto switch model					
	D-M9□(V) D-M9□W(V)			D-F7NJ		
	A	B	Hs	A	B	Hs
20	13.5	16.5	23.5	12.5	15.5	23.5
25	15.5	22	26.5	14.5	21	26.5
32	16	23.5	30	15	22.5	30

CM2-X3423

Minimum Stroke for Auto Switch Mounting

n: Number of auto switches [mm]

Auto switch model	Number of auto switches		
	With 1 pc.	With 2 pcs.	With n pcs.
D-M9□(V) D-M9□W(V)	25	25	10 + 15 (n - 2) (n = 4, 6···)
D-F7NJ			15 + 20 (n - 2) (n = 4, 6···)

Operating Range

[mm]

Auto switch model	Bore size		
	20	25	32
D-M9□(V) D-M9□W(V)	3	3.5	4

* Values which include hysteresis are for reference purposes only. They are not a guarantee (assuming approximately ±30 % dispersion) and may change substantially depending on the ambient environment.

Auto Switch Mounting Brackets/Part Nos.

Auto switch model	Bore size [mm]		
	Ø 20	Ø 25	Ø 32
D-M9□(V) D-M9□W(V)	BQ2-012 (A set of a, b)		

* When adding a D-M9□(W)(V), order BQ-1 and BQ2-012 auto switch mounting brackets separately.
When adding a D-F7NJ, order a BQ-1 auto switch mounting bracket separately.

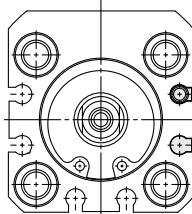
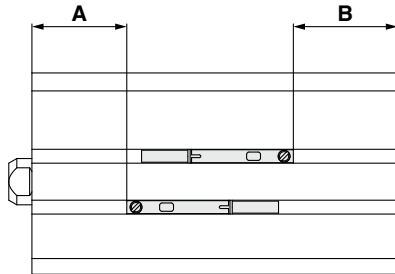
CDQ2-X3423

D-M9

Auto Switch Mounting

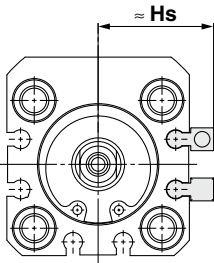


Auto Switch Proper Mounting Position * Adjust the auto switch after confirming the operating conditions in the actual setting.



Bore size	D-M9□(V) D-M9□W(V)	
	A	B
20	23.0	21.0
25	24.5	22.5
32	28.5	22.5

Auto Switch Mounting Height * Adjust the auto switch after confirming the operating conditions in the actual setting.



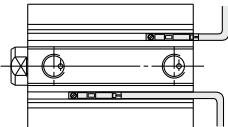
Auto switch model	Auto Switch Mounting Height [mm]	
	D-M9□V D-M9□WV	Hs
Bore size 20		24.5
Bore size 25		26.5
Bore size 32		32.5

Minimum Stroke for Auto Switch Mounting * Adjust the auto switch after confirming the operating conditions in the actual setting.

Applicable Cylinder Series: CDQ2 [mm]

Number of auto switches	D-M9□(V)	D-M9□W(V)
With 1 pc.	5	5
With 2 pcs.	5	10

* The dimension stated in () shows the minimum stroke for the auto switch mounting when the auto switch does not project from the end surface of the cylinder body and hinder the lead wire bending space. (Refer to the figure below.) The auto switch and auto switch mounting bracket are ordered separately.



Operating Range [mm]

Auto switch model	Bore size		
	20	25	32
D-M9□(V) D-M9□W(V)	3	3.5	4

* Values which include hysteresis are for reference purposes only. They are not a guarantee (assuming approximately ±30 % dispersion) and may change substantially depending on the ambient environment.



CM2/CQ2-X3423

Specific Product Precautions

Be sure to read this before handling the products. Refer to the back cover for safety instructions. For actuator and auto switch precautions, refer to “Handling Precautions for SMC Products” and the “Operation Manual” on the SMC website: <https://www.smc.eu>

Precautions

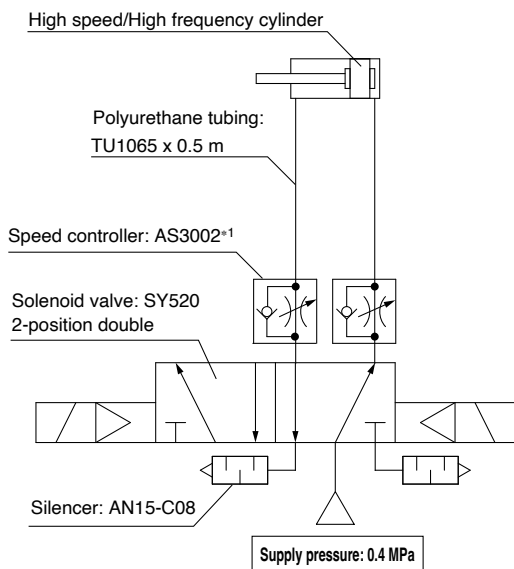
⚠ Warning

1. The surface of the cylinder tube may become hot when continuously operated at high speed/high frequency for long periods of time. Therefore, refrain from touching the tube with bare hands.

The surface of the cylinder tube may become hot depending on the pneumatic circuit, operating conditions, and surrounding environment.

Pay attention not to touch it because doing so can cause burns.

* We recommend the following circuit as a measure against the above.



- *1 As a measure against cylinder heat generation, install the speed controller as close to the solenoid valve as possible.

⚠ Caution

1. High-speed, high-frequency operation may not be possible depending on the pneumatic circuit. (Solenoid valves, silencers, piping, fittings, speed controllers, etc.)
2. With high-speed operation, there is a larger impact at the end of the stroke. Adjust the operating speed and load mass, and use within the allowable kinetic energy range.

Safety Instructions

These safety instructions are intended to prevent hazardous situations and/or equipment damage. These instructions indicate the level of potential hazard with the labels of “Caution,” “Warning” or “Danger.” They are all important notes for safety and must be followed in addition to International Standards (ISO/IEC)¹⁾, and other safety regulations.

Danger:

Danger indicates a hazard with a high level of risk which, if not avoided, will result in death or serious injury.

Warning:

Warning indicates a hazard with a medium level of risk which, if not avoided, could result in death or serious injury.

Caution:

Caution indicates a hazard with a low level of risk which, if not avoided, could result in minor or moderate injury.

- 1) ISO 4414: Pneumatic fluid power – General rules and safety requirements for systems and their components.
ISO 4413: Hydraulic fluid power – General rules and safety requirements for systems and their components.
IEC 60204-1: Safety of machinery – Electrical equipment of machines. (Part 1: General requirements)
ISO 10218-1: Robots and robotic devices - Safety requirements for industrial robots - Part 1: Robots.
etc.

Warning

1. The compatibility of the product is the responsibility of the person who designs the equipment or decides its specifications.

Since the product specified here is used under various operating conditions, its compatibility with specific equipment must be decided by the person who designs the equipment or decides its specifications based on necessary analysis and test results. The expected performance and safety assurance of the equipment will be the responsibility of the person who has determined its compatibility with the product. This person should also continuously review all specifications of the product referring to its latest catalogue information, with a view to giving due consideration to any possibility of equipment failure when configuring the equipment.

2. Only personnel with appropriate training should operate machinery and equipment.

The product specified here may become unsafe if handled incorrectly. The assembly, operation and maintenance of machines or equipment including our products must be performed by an operator who is appropriately trained and experienced.

3. Do not service or attempt to remove product and machinery/equipment until safety is confirmed.

1. The inspection and maintenance of machinery/equipment should only be performed after measures to prevent falling or runaway of the driven objects have been confirmed.
2. When the product is to be removed, confirm that the safety measures as mentioned above are implemented and the power from any appropriate source is cut, and read and understand the specific product precautions of all relevant products carefully.
3. Before machinery/equipment is restarted, take measures to prevent unexpected operation and malfunction.

4. Our products cannot be used beyond their specifications. Our products are not developed, designed, and manufactured to be used under the following conditions or environments. Use under such conditions or environments is not covered.

1. Conditions and environments outside of the given specifications, or use outdoors or in a place exposed to direct sunlight.
2. Use for nuclear power, railways, aviation, space equipment, ships, vehicles, military application, equipment affecting human life, body, and property, fuel equipment, entertainment equipment, emergency shut-off circuits, press clutches, brake circuits, safety equipment, etc., and use for applications that do not conform to standard specifications such as catalogues and operation manuals.
3. Use for interlock circuits, except for use with double interlock such as installing a mechanical protection function in case of failure. Please periodically inspect the product to confirm that the product is operating properly.

Caution

We develop, design, and manufacture our products to be used for automatic control equipment, and provide them for peaceful use in manufacturing industries. Use in non-manufacturing industries is not covered.

Products we manufacture and sell cannot be used for the purpose of transactions or certification specified in the Measurement Act.

The new Measurement Act prohibits use of any unit other than SI units in Japan.

Limited warranty and Disclaimer/Compliance Requirements

The product used is subject to the following “Limited warranty and Disclaimer” and “Compliance Requirements”. Read and accept them before using the product.

Limited warranty and Disclaimer

1. The warranty period of the product is 1 year in service or 1.5 years after the product is delivered, whichever is first.²⁾ Also, the product may have specified durability, running distance or replacement parts. Please consult your nearest sales branch.
2. For any failure or damage reported within the warranty period which is clearly our responsibility, a replacement product or necessary parts will be provided. This limited warranty applies only to our product independently, and not to any other damage incurred due to the failure of the product.
3. Prior to using SMC products, please read and understand the warranty terms and disclaimers noted in the specified catalogue for the particular products.
- 2) Vacuum pads are excluded from this 1 year warranty.
A vacuum pad is a consumable part, so it is warranted for a year after it is delivered. Also, even within the warranty period, the wear of a product due to the use of the vacuum pad or failure due to the deterioration of rubber material are not covered by the limited warranty.

Compliance Requirements

1. The use of SMC products with production equipment for the manufacture of weapons of mass destruction (WMD) or any other weapon is strictly prohibited.
2. The exports of SMC products or technology from one country to another are governed by the relevant security laws and regulations of the countries involved in the transaction. Prior to the shipment of a SMC product to another country, assure that all local rules governing that export are known and followed.

Safety Instructions

Be sure to read “Handling Precautions for SMC Products” (M-E03-3) before using.

SMC Corporation (Europe)

Austria	+43 (0)2262622800	www.smc.at	office.at@smc.com
Belgium	+32 (0)33551464	www.smc.be	info@smc.be
Bulgaria	+359 (0)2807670	www.smc.bg	sales.bg@smc.com
Croatia	+385 (0)13707288	www.smc.hr	sales.hr@smc.com
Czech Republic	+420 541424611	www.smc.cz	office.at@smc.com
Denmark	+45 70252900	www.smc.dk.com	smc.dk@smc.com
Estonia	+372 651 0370	www.smcee.ee	info.ee@smc.com
Finland	+358 207513513	www.smc.fi	smc.fi@smc.com
France	+33 (0)164761000	www.smc-france.fr	supportclient.fr@smc.com
Germany	+49 (0)61034020	www.smc.de	info.de@smc.com
Greece	+30 210 2717265	www.smchellas.gr	office.hu@smc.com
Hungary	+36 23513000	www.smc.hu	sales@smchellas.gr
Ireland	+353 (0)14039000	www.smcautomation.ie	office.hu@smc.com
Italy	+39 03990691	www.smcitalia.it	technical.ie@smc.com
Latvia	+371 67817700	www.smc.lv	mailbox.it@smc.com

office.at@smc.com
info@smc.be
sales.bg@smc.com
sales.hr@smc.com
office.at@smc.com
smc.dk@smc.com
info.ee@smc.com
smc.fi@smc.com
supportclient.fr@smc.com
info.de@smc.com
office.hu@smc.com
sales@smchellas.gr
office.hu@smc.com
technical.ie@smc.com
mailbox.it@smc.com
info.lv@smc.com

Lithuania	+370 5 2308118	www.smclt.lt	info.lt@smc.com
Netherlands	+31 (0)205318888	www.smc.nl	info@smc.nl
Norway	+47 67129020	www.smc-norge.no	post.no@smc.com
Poland	+48 22 344 40 00	www.smc.pl	office.pl@smc.com
Portugal	+351 214724500	www.smc.eu	apoiocliente.pt@smc.com
Romania	+40 213205111	www.smcromania.ro	office.ro@smc.com
Russia	+7 (812)3036600	www.smc.eu	sales@smcru.com
Slovakia	+421 (0)413213212	www.smc.sk	sales.sk@smc.com
Slovenia	+386 (0)73885412	www.smc.si	office.si@smc.com
Spain	+34 945184100	www.smc.eu	post.es@smc.com
Sweden	+46 (0)86031240	www.smc.nu	order.se@smc.com
Switzerland	+41 (0)523963131	www.smc.ch	helpcenter.ch@smc.com
Turkey	+90 212 489 0 440	www.smcturkey.com.tr	satis@smcturkey.com.tr
UK	+44 (0)845 121 5122	www.smc.uk	sales.gb@smc.com
South Africa	+27 10 900 1233	www.smcza.co.za	Sales.za@smc.com