MCQI3 series

ISO 15552 **STANDARD** PROFILE **CYLINDER**

mindman

Features

Video

Special spec

Rod end shape

Technical data

Caution for safety
(Read before installing)



Features

■ Non lubrication

Special housing and bushing enables self lubrication of piston rod.

■ High quality long service life

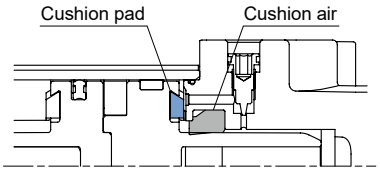
Hard anodised aluminium cylinder tubes offer a high resistance to corrosion and low internal friction.

■ Automatic air cushioning

Pneumatic cushioning at both ends without adjusting.

■ Low noise level

Add cushion pad to reduce impact sound and vibration.



■ ISO 15552 standard specification

Conforms to ISO 15552 specification enabling worldwide interchangeability.

■ Easy to insert reed switch

With four grooves on the tube, proximity and reed sensors can be easily inserted into any position.

Table for standard stroke

Tube I.D.	Stroke (mm)	Max. stroke(mm)	
		Style 11	Style 21/27
ø32,40	50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400, 450, 500, 600, 700, 800	1800	850
ø50,63		2000	950
ø80,100		2500	1200

* Please contact us if the stroke is out of specification.

Specification

Model	MCQI3
Tube I.D. (mm)	32, 40, 50, 63, 80, 100
Medium	Air
Operating perssure range	0.05~1 MPa
Proof pressure	1.5 MPa
Ambient temperature	-5~+60°C (No freezing)
Available speed range	50~500 mm/sec
Sensor switch	RDT, RQT, RCI

Order example

MCQI3 — 11 — 63 — 100 M — 10 — S — T

- MODEL
- **1**: Single rod
  2: Double rod
- TUBE I.D.
- STROKE
- **M**: Magnet
- ADJUSTABLE STROKE
  * Only for STYLE 27.
- CUSHION TYPE
  Blank: Cushion air (Adjustable)
  S: Cushion air (Automatic)
- TYPE
  T: Add "T" when both M and TA / TB are selected.
  * When both magnet (M) and mounting accessories (TA or TB) are selected, please add the suffix "T" at the end of the model number.

STYLE

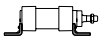
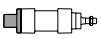
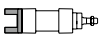
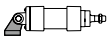
Code		Symbol	Description
1	1		Double acting / Male thread
2	1		Double rod / Double acting / Male thread
2	7		Double rod / Adjustable male thread

* **Rc** or **NPT** thread are also available, please contact us.

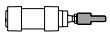
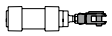
MCQI3 Order example of accessories

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Accessories & Connector

	Accessories						
Code	**LB** (Purchase 2 pcs)	**CA**	**CA2**	**CB**	**CB2**	**CDB** (Purchase CB+PIN)	**CDB2** (Purchase CB2+PIN)
Mounting / Tube I.D.							
ø32	**LB-Q2-32**	**CA-Q2-32**	**CA2-Q2-32**	**CB-Q2-32**	**CB2-Q2-32**	**CDB-Q2-32**	**CDB2-Q2-32**
ø40	**LB-Q2-40**	**CA-Q2-40**	**CA2-Q2-40**	**CB-Q2-40**	**CB2-Q2-40**	**CDB-Q2-40**	**CDB2-Q2-40**
ø50	**LB-Q2-50**	**CA-Q2-50**	**CA2-Q2-50**	**CB-Q2-50**	**CB2-Q2-50**	**CDB-Q2-50**	**CDB2-Q2-50**
ø63	**LB-Q2-63**	**CA-Q2-63**	**CA2-Q2-63**	**CB-Q2-63**	**CB2-Q2-63**	**CDB-Q2-63**	**CDB2-Q2-63**
ø80	**LB-Q2-80**	**CA-Q2-80**	**CA2-Q2-80**	**CB-Q2-80**	**CB2-Q2-80**	**CDB-Q2-80**	**CDB2-Q2-80**
ø100	**LB-Q2-100**	**CA-Q2-100**	**CA2-Q2-100**	**CB-Q2-100**	**CB2-Q2-100**	**CDB-Q2-100**	**CDB2-Q2-100**

	Accessories				Rod nut
Code	**FAC**	**FBC**	**FAC2**	**FBC2**	**NUT**
Mounting / Tube I.D.					
ø32	**FAC-Q2-32**		**FAC2-Q2-32**		**NUT-M10x1.25x5Hx17B**
ø40	**FAC-Q2-40**		**FAC2-Q2-40**		**NUT-M12x1.25x6Hx19B**
ø50	**FAC-Q2-50**		**FAC2-Q2-50**		**NUT-M16x1.5x8Hx24B**
ø63	**FAC-Q2-63**		**FAC2-Q2-63**		
ø80	**FAC-Q2-80**		**FAC2-Q2-80**		**NUT-M20x1.5x10Hx30B**
ø100	**FAC-Q2-100**		**FAC2-Q2-100**		

	Accessories ⚠ Factory-installed, not available for separate purchase or field assembly			Connector		
Code	**TA**	**TB**	**TC**	**Y**	**I**	**YS** (Y+Floating pin)
Mounting / Tube I.D.						
ø32	**TC-Q3-32**			**Y-Q2-32**	**I-Q2-32**	**YS-Q2-32**
ø40	**TC-Q3-40**			**Y-Q2-40**	**I-Q2-40**	**YS-Q2-40**
ø50	**TC-Q3-50**			**Y-Q2-50**	**I-Q2-50**	**YS-Q2-50**
ø63	**TC-Q3-63**					
ø80	**TC-Q3-80**			**Y-Q2-80**	**I-Q2-80**	**YS-Q2-80**
ø100	**TC-Q3-100**					

Pin

Applicable	YS connector	Y&I connector	CA&CB accessories
Code	**PIN-S**	**PIN-Y-P** (with split pin)	**PIN-CB-P** (with split pin)
Fig / Tube I.D.			
ø32	**PIN-Q2-32-S**	**PIN-Q2-32-2-P**	**PIN-Q2-32-1-P**
ø40	**PIN-Q2-40-S**	**PIN-Q2-40-2-P**	**PIN-Q2-40-1-P**
ø50	**PIN-Q2-50-S**	**PIN-Q2-50-2-P**	**PIN-Q2-50-1-P**
ø63			**PIN-Q2-63-1-P**
ø80	**PIN-Q2-80-S**	**PIN-Q2-80-2-P**	**PIN-Q2-80-1-P**
ø100			**PIN-Q2-100-1-P**

Order example of self-assembled

The tube I.D. ø40 of LB accessories, Y connector and pin.

No.	Order number	Qty
1	**LB-Q2-40**	2
2	**Y-Q2-40**	1
3	**PIN-Q2-40-2-P**	1

* To order accessories/ connectors/ pin separately, please place orders separately according to the order codes in the above table.

Order example of factory assembled

⚠ Cylinders and accessories are distinguished by the symbol " + ".

MCQI3 — Standard model no. + TA

CYLINDER ACCESSORIES

MCQI3-11 Inside structure & Parts list

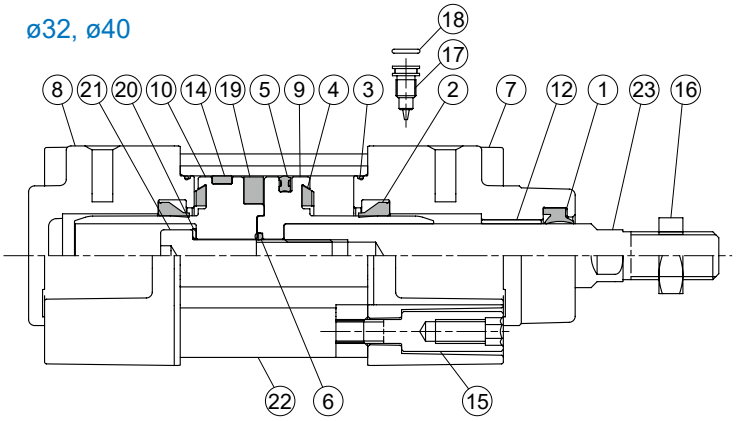
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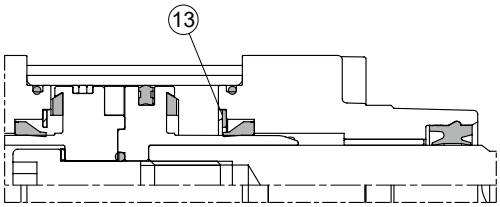
Single rod 11 type

Cushion air (Adjustable)

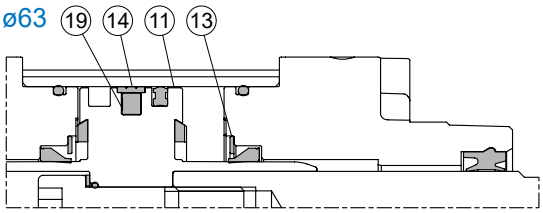
ø32, ø40



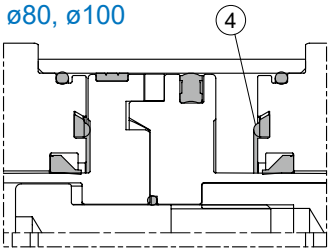
ø50



ø63



ø80, ø100



Material

No.	Part name	Material	Q'y	Component parts (inclusion)	Repair kits (inclusion)	Note
1	Rod packing	NBR / TPU	1	●	●	ø50, 63: TPU
2	Cushion packing	NBR	2	●	●	
3	O-ring	NBR	2	●	●	
4	Cushion pad	NBR	2	●	●	
5	Piston packing	NBR	1	●	●	
6	O-ring	NBR	1	●	●	
7	Rod cover	Aluminum alloy	1	●		
8	Head cover	Aluminum alloy	1	●		
9	Piston #1	Aluminum alloy	1	●		
10	Piston #2	Aluminum alloy	1	●		
11	Piston	Aluminum alloy	1	●		Only for ø63
12	Bush	Bearing alloy	1	●		
13	Washer	Carbon steel	2	●		Only for ø50, ø63
14	Wear ring	Resin	1	●		
15	Screw	Carbon steel	8	●		
16	Piston rod nut	Carbon steel	1	●		
17	Needle valve	Copper alloy	2	●		
18	O-ring	NBR	2	●		
19	Magnet ring	Magnet material	1	◎		◎ Option
20	Washer	Carbon steel	1	●		
21	Hex bolt	Carbon steel	1	●		
22	Cylinder tube	Aluminum alloy	1			
23	Piston rod *1	Carbon steel	1			

*1. When customized material is bearing steel, only two-side across flat (wrench flat) is available.

MCQI3-11-S Inside structure & Parts list

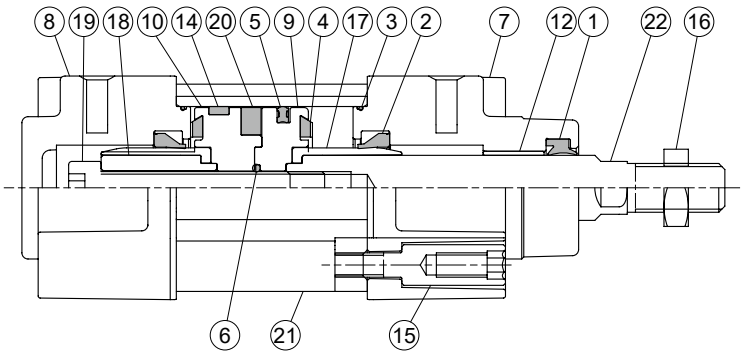
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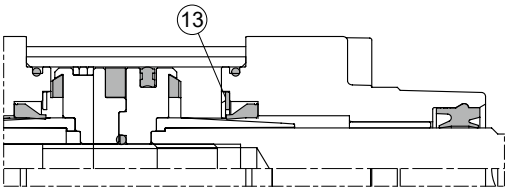
Single rod 11 type

Cushion air (Automatic)

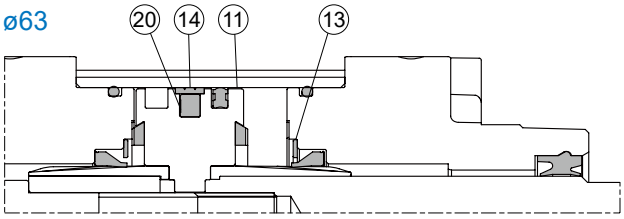
ø32, ø40



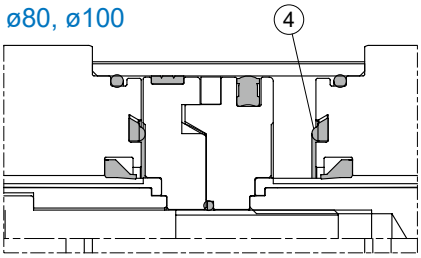
ø50



ø63



ø80, ø100



Material

No.	Part name	Material	Q'y	Component parts (inclusion)	Repair kits (inclusion)	Note
1	Rod packing	NBR / TPU	1	●	●	ø50, 63: TPU
2	Cushion packing	NBR	2	●	●	
3	O-ring	NBR	2	●	●	
4	Cushion pad	NBR	2	●	●	
5	Piston packing	NBR	1	●	●	
6	O-ring	NBR	1	●	●	
7	Rod cover	Aluminum alloy	1	●		
8	Head cover	Aluminum alloy	1	●		
9	Piston #1	Aluminum alloy	1	●		
10	Piston #2	Aluminum alloy	1	●		
11	Piston	Aluminum alloy	1	●		Only for ø63
12	Bush	Bearing alloy	1	●		
13	Washer	Carbon steel	2	●		Only for ø50, ø63
14	Wear ring	Resin	1	●		
15	Screw	Carbon steel	8	●		
16	Piston rod nut	Carbon steel	1	●		
17	Shock absorber axis	Resin	2	●		
18	Piston nut	Aluminum alloy	1	●		
19	Hex bolt	Carbon steel	1	●		
20	Magnet ring	Magnet material	1	◎		◎ Option
21	Cylinder tube	Aluminum alloy	1			
22	Piston rod *1	Carbon steel	1			

*1. When customized material is bearing steel, only two-side across flat (wrench flat) is available.

MCQI3-21/27 Inside structure & Parts list

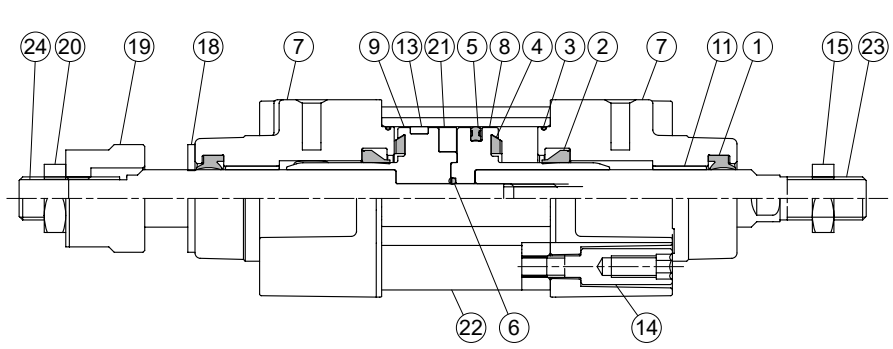
ISO 15552 **STANDARD** PROFILE **CYLINDER**

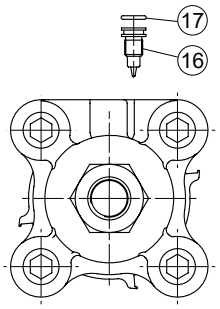
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Double rod 21 / 27 type

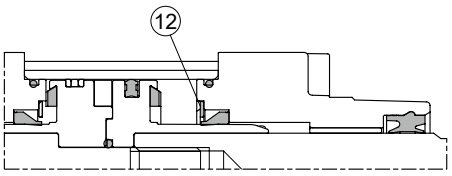
Cushion air (Adjustable)

ø32, ø40

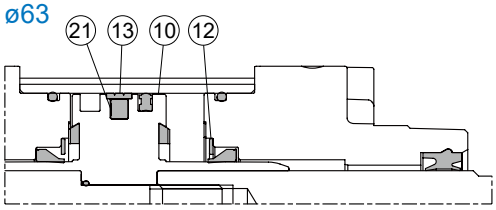




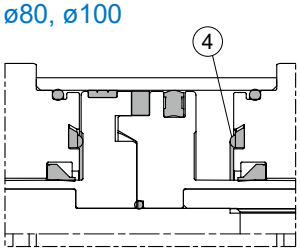
ø50



ø63



ø80, ø100



Material

No.	Part name	Material	Q'y	Component parts (inclusion)		Repair kits (inclusion)	Note
				21 type	27 type		
1	Rod packing	NBR / TPU	2	●	●	●	ø50, 63: TPU
2	Cushion packing	NBR	2	●	●	●	
3	O-ring	NBR	2	●	●	●	
4	Cushion pad	NBR	2	●	●	●	
5	Piston packing	NBR	1	●	●	●	
6	O-ring	NBR	1	●	●	●	
7	Rod cover	Aluminum alloy	2	●	●		
8	Piston #1	Aluminum alloy	1	●	●		
9	Piston #2	Aluminum alloy	1	●	●		
10	Piston	Aluminum alloy	1	●	●		Only for ø63
11	Bush	Bearing alloy	2	●	●		
12	Washer	Carbon steel	2	●	●		Only for ø50, ø63
13	Wear ring	Resin	1	●	●		
14	Screw	Carbon steel	8	●	●		
15	Piston rod nut	Carbon steel	1	●	●		
16	Needle valve	Copper alloy	2	●	●		
17	O-ring	NBR	2	●	●		
18	Gasket	PU	1		●		
19	Adjustable nut	Carbon steel	1		●		
20	Hex nut	Carbon steel	1		●		
21	Magnet ring	Magnet material	1	◎	◎		◎ Option
22	Cylinder tube	Aluminum alloy	1				
23	Piston rod #1 *1	Carbon steel	1				
24	Piston rod #2 *1	Carbon steel	1				

*1. When customized material is bearing steel, only two-side across flat (wrench flat) is available.

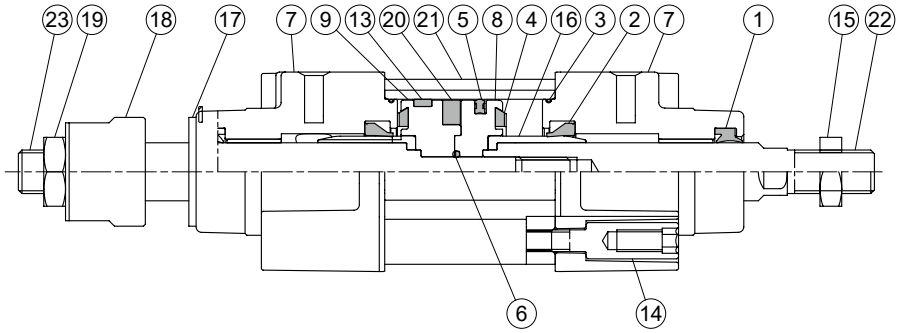
MCQI3-21/27-S Inside structure & Parts list

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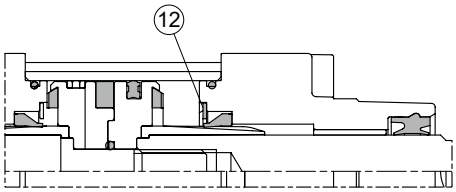
Double rod 21 / 27 type

Cushion air (Automatic)

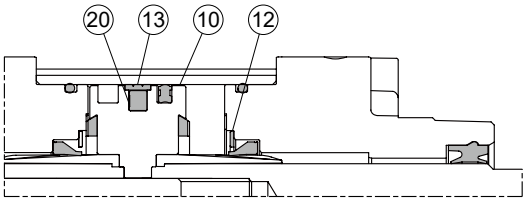
ø32, ø40



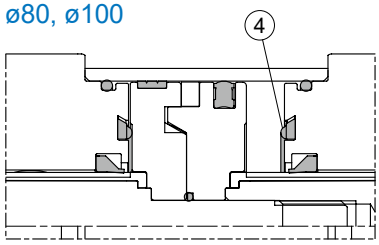
ø50



ø63



ø80, ø100



Material

No.	Part name	Material	Q'y	Component parts (inclusion)		Repair kits (inclusion)	Note
				21 type	27 type		
1	Rod packing	NBR / TPU	2	●	●	●	ø50, 63: TPU
2	Cushion packing	NBR	2	●	●	●	
3	O-ring	NBR	2	●	●	●	
4	Cushion pad	NBR	2	●	●	●	
5	Piston packing	NBR	1	●	●	●	
6	O-ring	NBR	1	●	●	●	
7	Rod cover	Aluminum alloy	2	●	●		
8	Piston #1	Aluminum alloy	1	●	●		
9	Piston #2	Aluminum alloy	1	●	●		
10	Piston	Aluminum alloy	1	●	●		Only for ø63
11	Bush	Bearing alloy	2	●	●		
12	Washer	Carbon steel	2	●	●		Only for ø50, ø63
13	Wear ring	Resin	1	●	●		
14	Screw	Carbon steel	8	●	●		
15	Piston rod nut	Carbon steel	1	●	●		
16	Shock absorber axis	Resin	2	●	●		
17	Gasket	PU	1		●		
18	Adjustable nut	Carbon steel	1		●		
19	Hex nut	Carbon steel	1		●		
20	Magnet ring	Magnet material	1	◎	◎		◎ Option
21	Cylinder tube	Aluminum alloy	1				
22	Piston rod #1 *1	Carbon steel	1				
23	Piston rod #2 *1	Carbon steel	1				

*1. When customized material is bearing steel, only two-side across flat (wrench flat) is available.

Order example of component parts

CP — MCQI3 — 2 — 63 M S

- MODEL
- TUBE I.D. **32, 40, 50 63, 80, 100**
- **M**: Magnet
- Blank: Single rod **2**: Double rod
- Blank: Cushion air (Adjustable) **S**: Cushion air (Automatic)

Order example of repair kits

PS — MCQI3 — 2 — 63 S — XB6

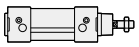
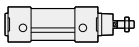
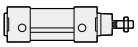
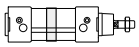
- MODEL
- TUBE I.D. **32, 40, 50 63, 80, 100**
- Blank: NBR **XB6**: Heat resistant material *
  * Not suitable for (S) cushion air.
- Blank: Single rod **2**: Double rod
- Blank: Cushion air (Adjustable) **S**: Cushion air (Automatic)

* Order example for **Rc** or **NPT** thread please contact us.

Cylinder & accessories weight

Cylinder weight

Unit: kg

Model	Basic weight **MCQI3-11**	Basic weight (magnet) **MCQI3-11**	Basic weight **MCQI3-11-S**	Basic weight (magnet) **MCQI3-11-S**	Stroke 25 mm **MCQI3-11-(S)**
Tube I.D.					
ø32	0.534	0.540	0.531	0.537	0.062
ø40	0.789	0.801	0.783	0.795	0.088
ø50	1.300	1.317	1.293	1.310	0.120
ø63	1.785	1.805	1.774	1.794	0.129
ø80	2.653	2.680	2.638	2.665	0.185
ø100	3.949	3.984	3.885	3.920	0.236

Accessories weight

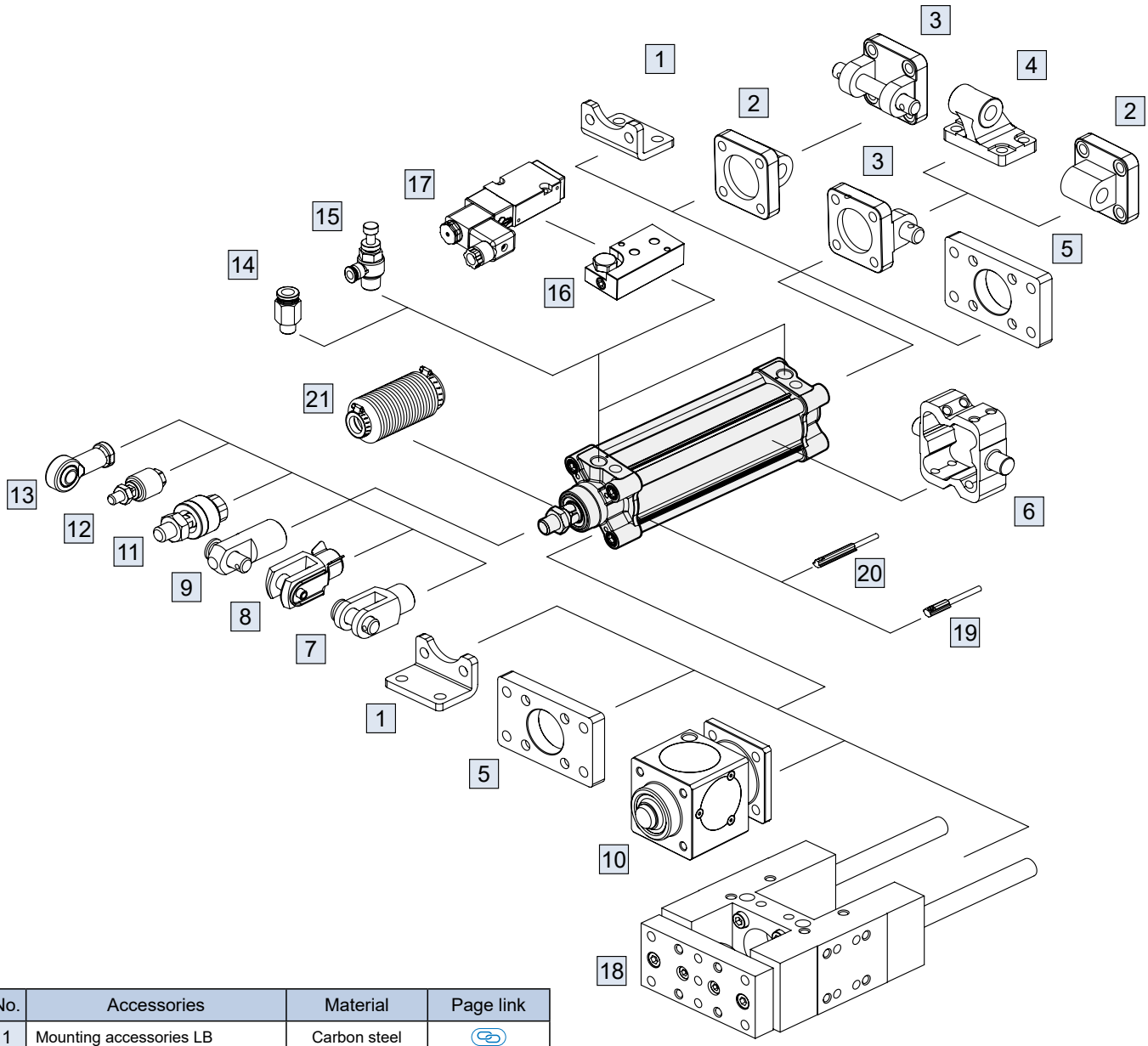
Unit: kg

Model	LB	CA	CA2	CB	CB2	CDB	CDB2	FAC/ FBC	FAC2/ FBC2	TA/TB/TC
Tube I.D.										
ø32	0.163	0.213	0.07	0.185	0.07	0.170	0.06	0.235	0.07	0.208
ø40	0.211	0.253	0.09	0.211	0.10	0.230	0.08	0.265	0.09	0.282
ø50	0.315	0.390	0.16	0.352	0.15	0.410	0.12	0.460	0.17	0.377
ø63	0.395	0.670	0.23	0.544	0.23	0.550	0.18	0.684	0.20	0.675
ø80	0.816	1.076	0.40	0.982	0.45	0.870	0.28	1.508	0.40	1.025
ø100	1.014	1.587	0.50	1.493	0.60	1.400	0.45	1.975	0.56	1.680

Model	Y	I	Pin		YS
			Y / I	CA / CB	
Tube I.D.					
ø32	0.070	0.080	0.02	0.040	0.018
ø40	0.115	0.141	0.03	0.065	0.031
ø50	0.272	0.334	0.08	0.072	0.070
ø63	0.272	0.334	0.08	0.145	0.070
ø80	0.551	0.553	0.16	0.179	0.150
ø100	0.551	0.553	0.16	0.330	0.150

MCQI3 Accessories

ISO 15552 **STANDARD** PROFILE **CYLINDER**



No.	Accessories	Material	Page link
1	Mounting accessories LB	Carbon steel	
2	Mounting accessories CA	Cast iron	
	Mounting accessories CA2	Aluminum alloy	
3	Mounting accessories CB+PIN	Cast iron / *1	,
	Mounting accessories CB2+PIN	Aluminum alloy	,
4	Mounting accessories CDB	Cast iron	
	Mounting accessories CDB2	Aluminum alloy	
5	Mounting accessories FAC/FBC	Carbon steel	
	Mounting accessories FAC2/FBC2	Aluminum alloy	
6	Mounting accessories TA/TB/TC	Cast iron	
7	Accessories Y+PIN	Cast iron / *1	
8	Accessories YS (Y+Floating pin)	Carbon steel	
9	Accessories I+PIN	Carbon steel	
10	Locking unit MCBQI3	Aluminum alloy+*2	

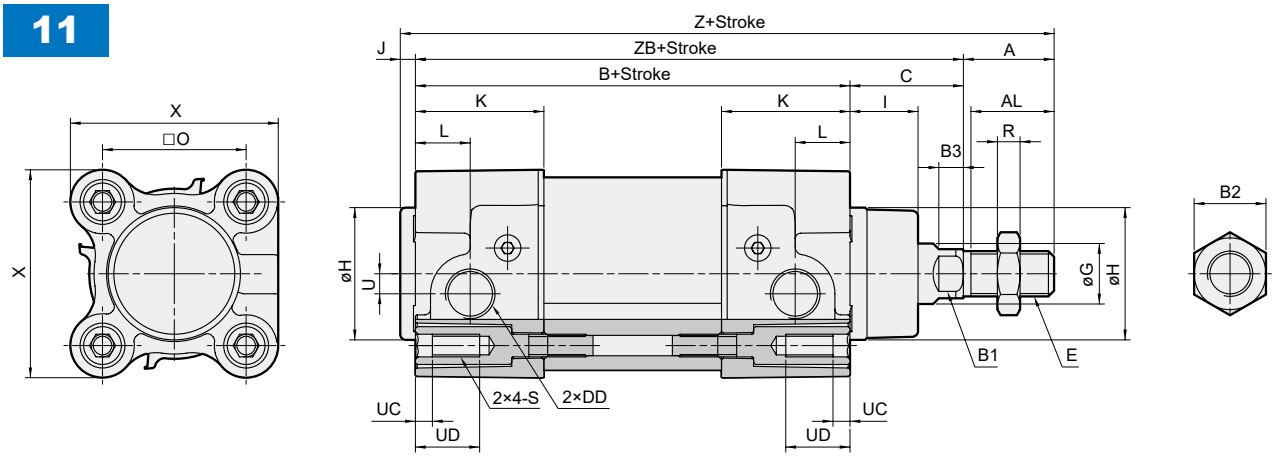
No.	Accessories	Material	Page link
11	Floating joint MFC	Carbon steel	
12	Floating joint MFCS	Carbon steel	
13	Female rod ends PHS	Carbon steel	
14	Fitting PC (PISCO)	–	
15	Speed controller JSC (PISCO)	–	
16	Cylinder link seats MVSN-300-C *3	Aluminum alloy	
17	Solenoid valve MVSN-220 / 300 *3	–	,
18	Twin-guide cylinders MGTB/TU/TX	–	
19	Sensor switch R*T	–	
20	Sensor switch RCI	–	
21	Protective bellows kit	NBR	–

*1. PIN material is carbon steel. *2. Bronze alloy.
*3. Only for tube I.D. ø40, ø50.

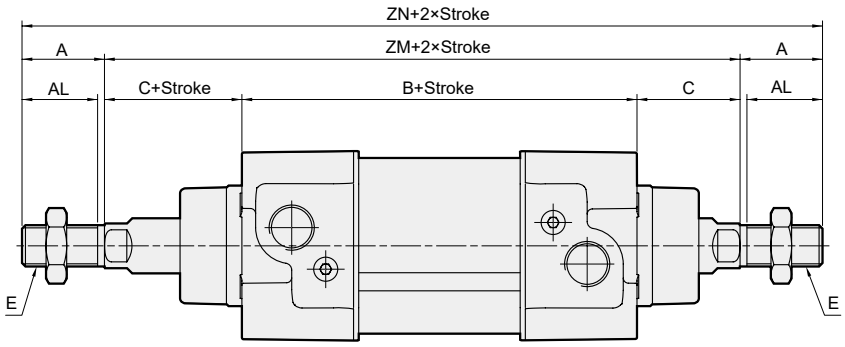
MCQI3 Dimensions ø32~ø100

ISO 15552 **STANDARD** PROFILE **CYLINDER**

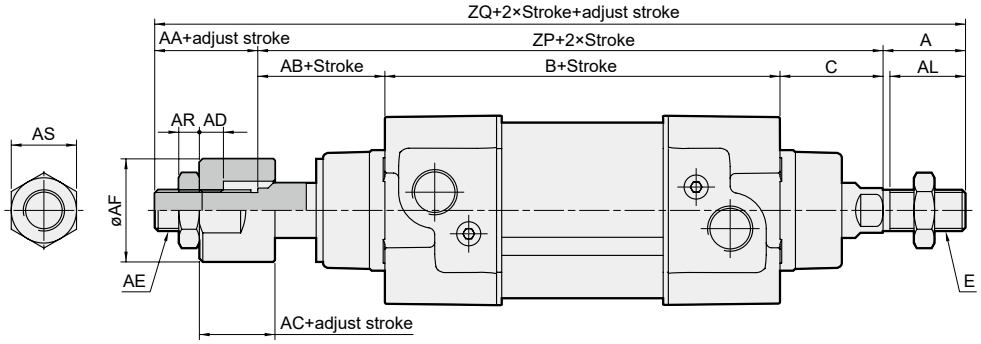
11



21



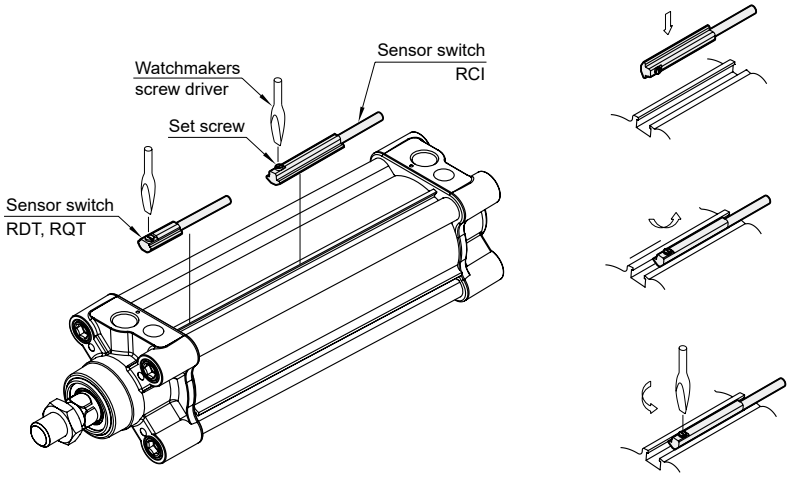
27



Code / Tube I.D.	A	AA	AB	AC	AD	AE	AF	AL	AR	AS	B	B1	B2	B3	C	DD	E	G	H	I	J	K	L	O
32	22	16	26	12	7	M10×1.25	20	20	5	17	94	10	17	4	26	G1/8	M10×1.25	12	30	15	4	30.5	20	32.5
40	24	20	27	12	7	M12×1.25	30	22	6	19	105	13	19	6.5	30	G1/4	M12×1.25	16	35	18	4	34	14.5	38
50	32	18	34	15	10	M16×1.5	40	30	8	24	106	17	24	6	37	G1/4	M16×1.5	20	40	28	4	31	16	46.5
63	32	20	32	15	10	M16×1.5	40	30	8	24	121	17	24	8	37	G3/8	M16×1.5	20	45	26	4	33	17	56.5
80	40	32	41	20	14	M22×1.5	50	38	13	32	128	22	30	10	46	G3/8	M20×1.5	25	45	32.5	4	35.5	20.5	72
100	40	30	46	20	14	M22×1.5	50	38	13	32	138	22	30	10	51	G1/2	M20×1.5	25	55	37.5	4	37	19	89

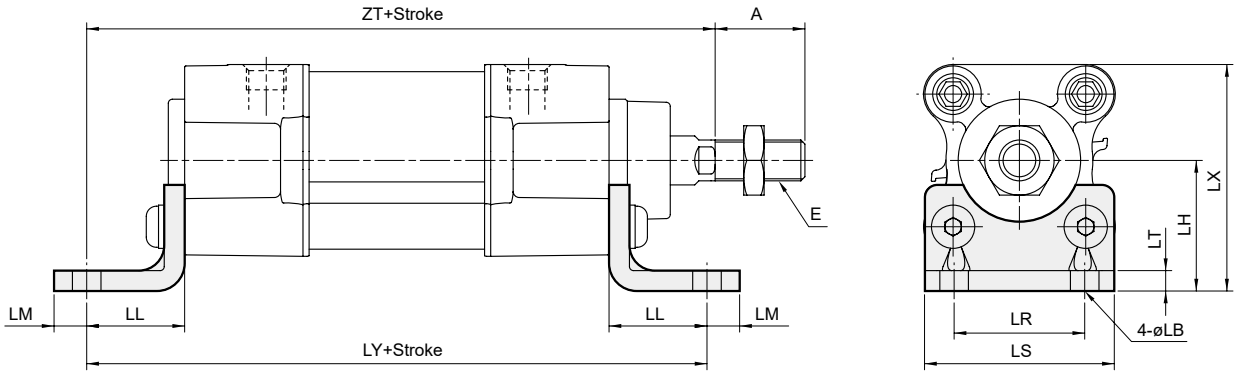
Code / Tube I.D.	R	S	U	UC	UD	X	Z	ZB	ZM	ZN	ZP	ZQ
32	5	M6×1.0	4.5	4.5	16	47	146	120	146	190	146	184
40	6	M6×1.0	5.3	4.5	16	55	163	135	165	213	162	206
50	8	M8×1.25	8.5	4.5	16	65	179	143	180	244	177	227
63	8	M8×1.25	8	4.5	16	78	194	158	195	259	190	242
80	10	M10×1.5	9	4.5	18	95	218	174	220	300	215	287
100	10	M10×1.5	13	4.5	18	115	233	189	240	320	235	305

Installation of sensor switch



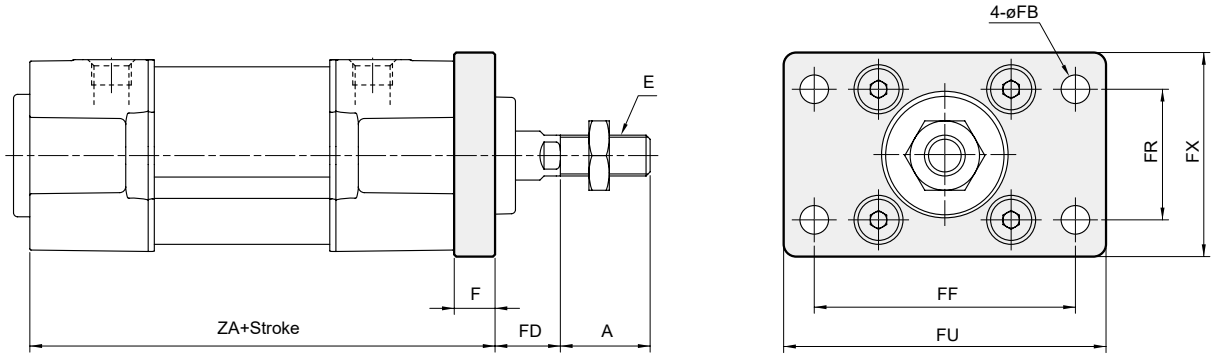
Mounting accessories

LB

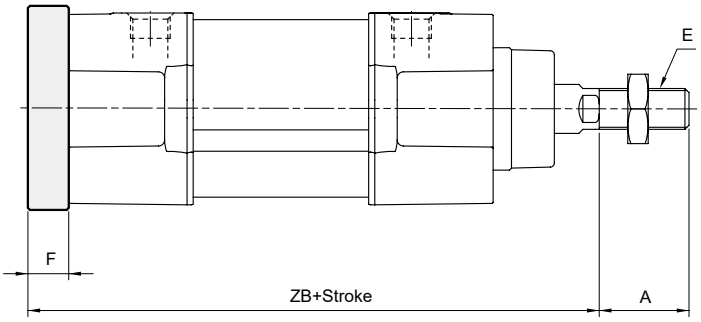


Code / Tube I.D.	A	E	LB	LH	LL	LM	LR	LS	LT	LX	LY	ZT
32	22	M10×1.25	7	32	24	8	32	47	5	55.5	142	144
40	24	M12×1.25	9	36	28	10	36	53	5	63.2	161	163
50	32	M16×1.5	9	45	32	10	45	65	5	77.5	170	175
63	32	M16×1.5	9	50	32	10	50	75	5	89.0	185	190
80	40	M20×1.5	12	63	41	13	63	95	6	110.5	210	215
100	40	M20×1.5	14	71	41	13	75	115	6	128.5	220	230

FAC

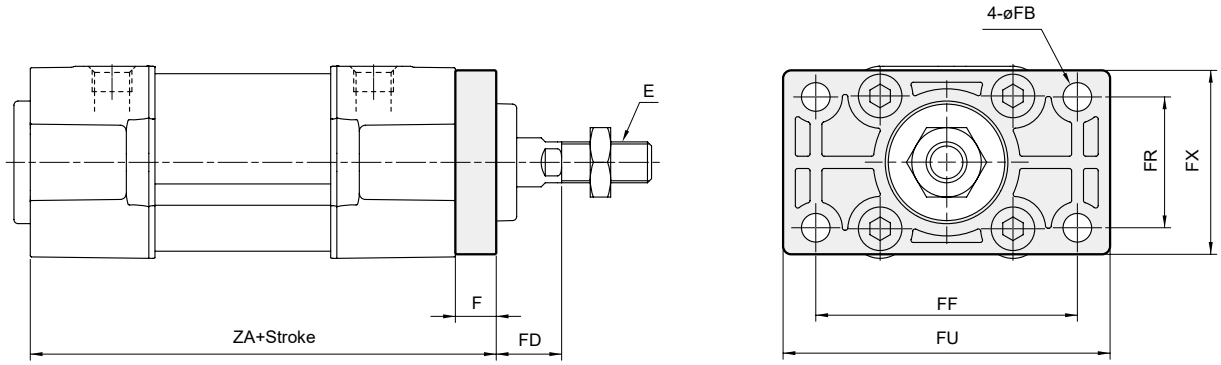


FBC

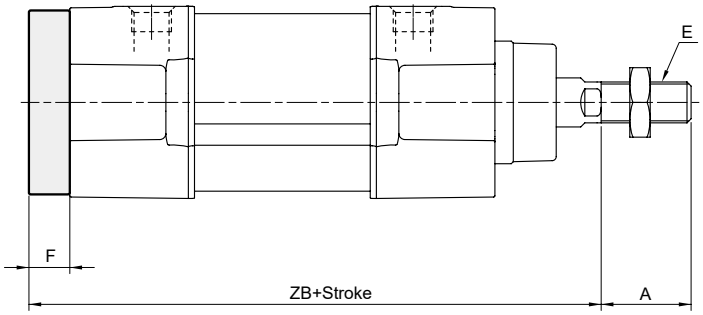


Code / Tube I.D.	A	E	F	FB	FD	FF	FR	FU	FX	ZA	ZB
32	22	M10×1.25	10	7	16	64	32	79	50	104	130
40	24	M12×1.25	10	9	20	72	36	90	52	115	145
50	32	M16×1.5	12	9	25	90	45	110	65	118	155
63	32	M16×1.5	12	9	25	100	50	125	76	133	170
80	40	M20×1.5	16	12	30	126	63	154	94	144	190
100	40	M20×1.5	16	14	35	150	75	180	112	154	205

FAC2

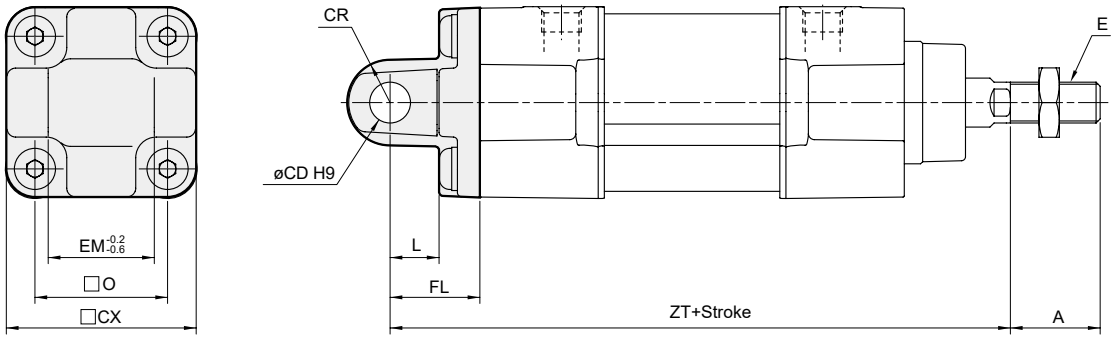


FBC2

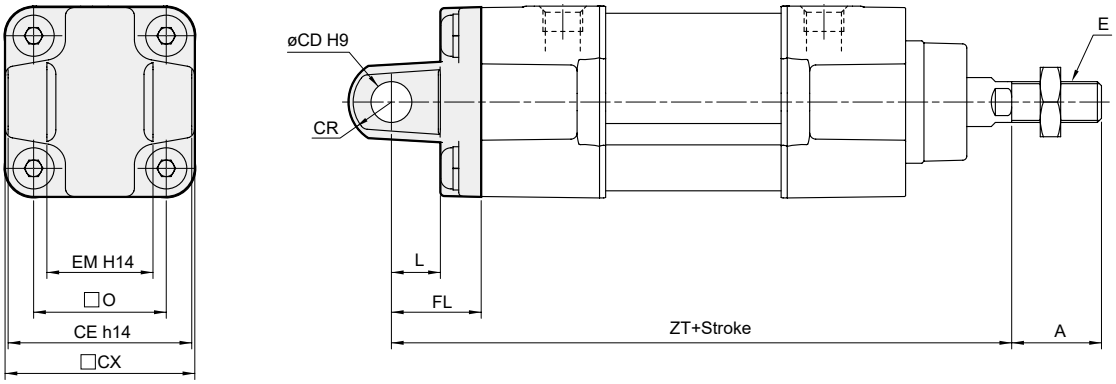


Code / Tube I.D.	A	E	F	FB	FD	FF	FR	FU	FX	ZA	ZB
32	22	M10×1.25	10	7	16	64	32	80	45	104	130
40	24	M12×1.25	10	9	20	72	36	90	52	115	145
50	32	M16×1.5	12	9	25	90	45	110	65	118	155
63	32	M16×1.5	12	9	25	100	50	120	75	133	170
80	40	M20×1.5	16	12	30	126	63	150	95	144	190
100	40	M20×1.5	16	14	35	150	75	175	115	154	205

CA

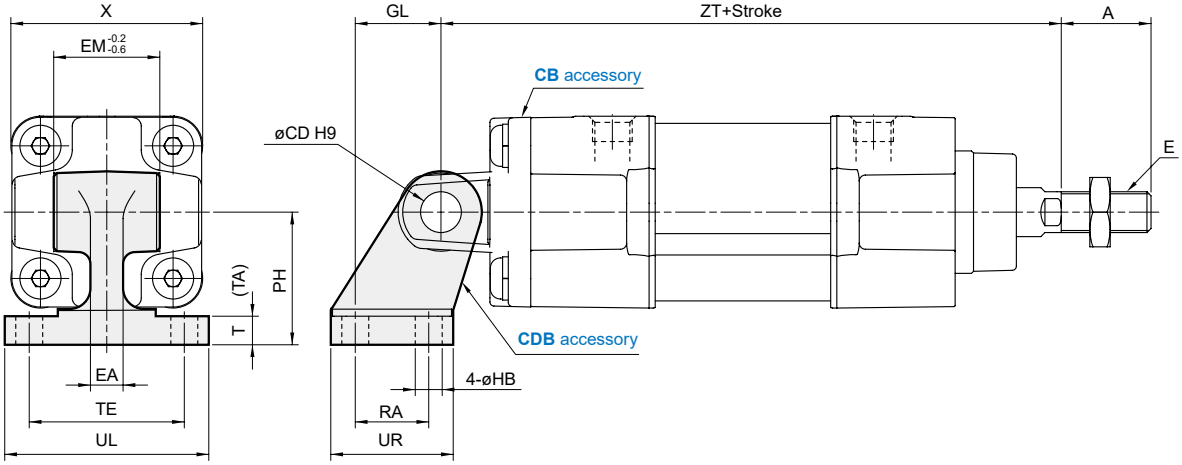


CB



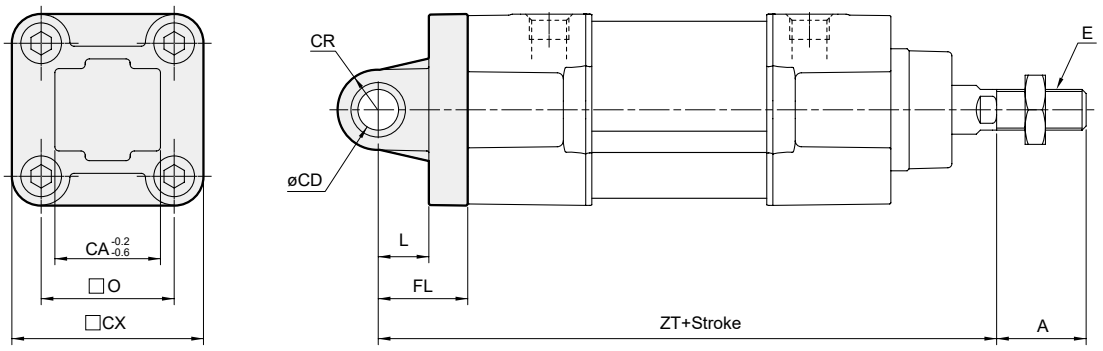
CDB

CB+Pin (Extra purchase)

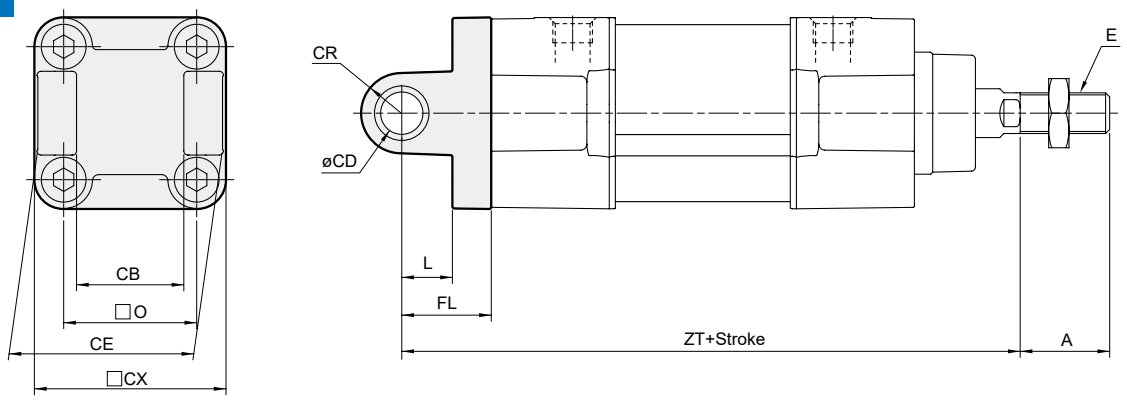


Code / Tube I.D.	A	CD	CE	CR	CX	E	EA	EM	FL	GL	HB	L	O	PH	RA	T	TA	TE	UL	UR	X	ZT
32	22	10	45	R10.5	46.5	M10×1.25	8	26	22	21	6.6	12	32.5	32	18	6.5	1.5	38	50	30	47	142
40	24	12	52	R12	54	M12×1.25	10	28	25	24	6.6	15	38	36	22	8.5	1.5	41	53	34	55	160
50	32	12	60	R13	64	M16×1.5	10	32	27	33	9	15	46.5	45	30	10.5	1.5	50	65	45	65	170
63	32	16	70	R17	75	M16×1.5	12	40	32	37	9	20	56.5	50	35	10.5	1.5	52	67	50	78	190
80	40	16	90	R17	93	M20×1.5	12	50	36	47	11	20	72	63	40	11.5	2.5	66	86	60	95	210
100	40	20	110	R21	114	M20×1.5	16	60	41	55	11	25	89	71	50	12.5	2.5	76	96	70	115	230

CA2

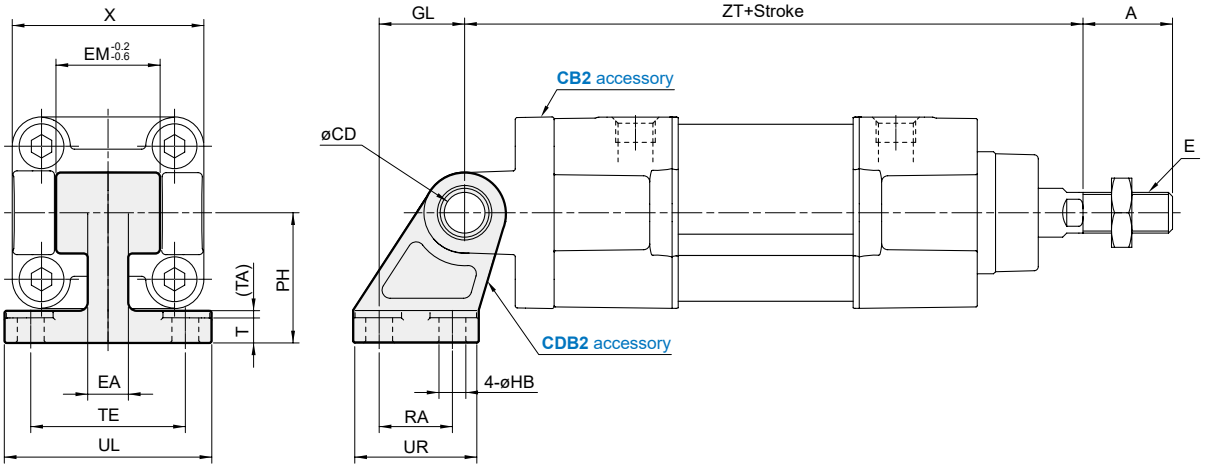


CB2



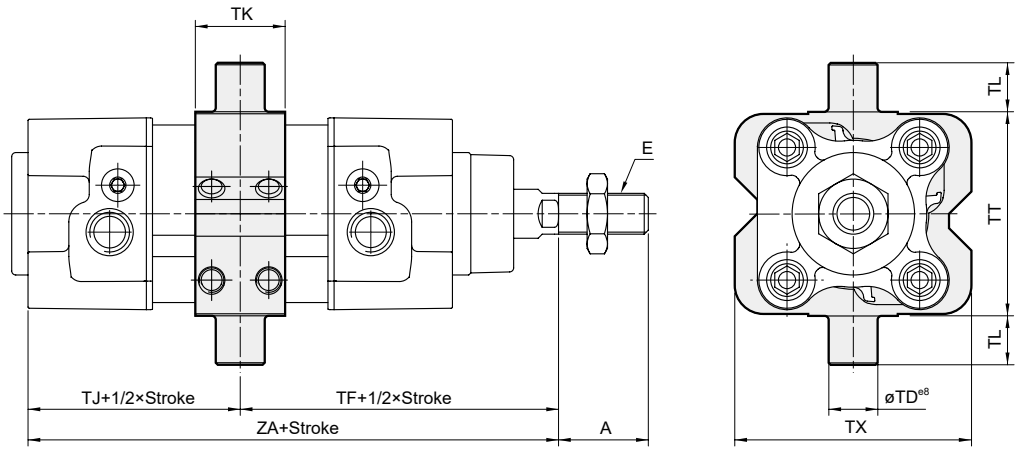
CDB2

CB2+Pin (Extra purchase)

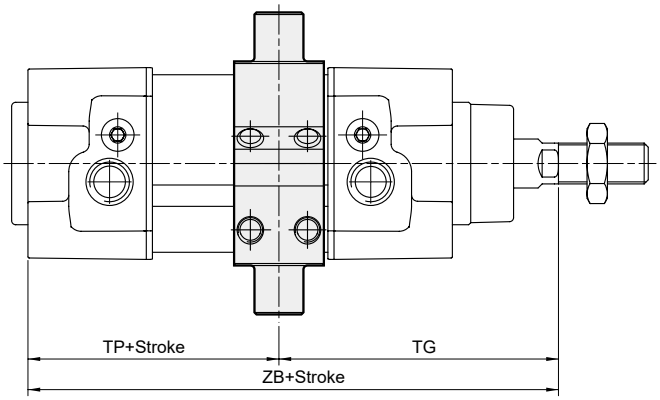


Code / Tube I.D.	A	CA	CB H14	CD H9	CE h14	CR	CX	E	EA	EM	FL	GL	HB	L	O	PH	RA	T	TA	TE	UL	UR	X	ZT
32	22	26	26 +0.052 0	10 +0.036 0	45 0 -0.62	R10	47	M10×1.25	10	26	22	21	6.6	12.5	32.5	32	18	8	1.6	38	51	31	47	142
40	24	28	28 +0.052 0	12 +0.043 0	52 0 -0.74	R12	53	M12×1.25	15	28	25	24	6.6	16	38	36	22	10	1.6	41	54	35	55	160
50	32	32	32 +0.062 0	12 +0.043 0	60 0 -0.74	R12	65	M16×1.5	16	32	27	33	9	16	46.5	45	30	12	1.6	50	65	45	65	170
63	32	40	40 +0.062 0	16 +0.043 0	70 0 -0.74	R16	75	M16×1.5	16	40	32	37	9	21	56.5	50	35	14	1.6	52	67	50	78	190
80	40	50	50 +0.062 0	16 +0.043 0	90 0 -0.87	R16	95	M20×1.5	20	50	36	47	11	22	72	63	40	14	2.5	66	86	60	95	210
100	40	60	60 +0.074 0	20 +0.052 0	110 0 -0.87	R20	115	M20×1.5	20	60	41	55	11	27	89	71	50	17	2.5	76	96	70	115	230

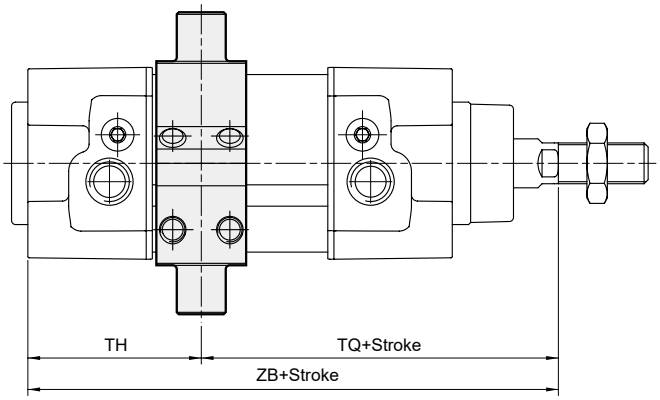
TC



TA



TB



Code / Tube I.D.	A	E	TD	TF	TG	TH	TJ	TK	TL	Without magnet			Magnet			TT	TX	ZA
										TP	TQ	ZB	TP	TQ	ZB			
32	22	M10×1.25	12	73	70.5	44.5	47	22	12	49.5	75.5	120	79.5	105.5	150	50	58	120
40	24	M12×1.25	16	82.5	81	51	52.5	28	16	54	84	135	84	114	165	63	70	135
50	32	M16×1.5	16	90	87	50	53	32	16	56	93	143	86	123	173	75	85	143
63	32	M16×1.5	20	97.5	90.5	53.5	60.5	35	20	67.5	104.5	158	97.5	134.5	188	90	100	158
80	40	M20×1.5	20	110	104.5	58.5	64	40	20	69.5	115.5	174	109.5	155.5	214	110	120	174
100	40	M20×1.5	25	120	113.5	62.5	69	45	25	75.5	126.5	189	115.5	166.5	229	132	145	189

MCQI3 / MCKQI3 Solenoid valve link seats ø40, ø50

ISO 15552 **STANDARD** PROFILE **CYLINDER**

Order example

MCQI3 — As standard order example — VR — 4E2C — 6A — AC110 — L

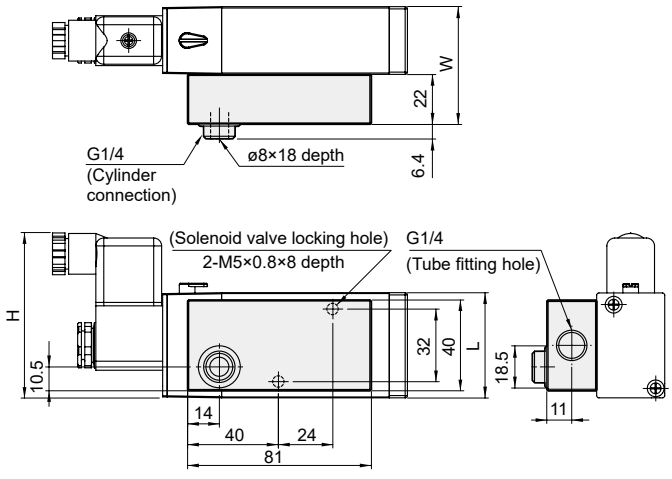
- **MODEL**: **MCQI3**, **MCKQI3**
- **SOLENOID VALVE LINK SEATS**: **VR**: Installed on the front cover; **VH**: Installed on the back cover
- **4** way (5 port)
- **E1**: Single solenoid; **E2**: Double solenoid
- **C**: Closed center; **P**: Pressure center; **R**: Exhaust center (Only for MVSN-300-4E2)
- **PORT SIZE**: **6A**: G1/8 (Only for MVSN-220); **8A**: G1/4
- **VOLTAGE**: **AC220**V(50/60)Hz; **AC110**V(50/60)Hz; **DC24**V
- **ELECTRIC CONNECTION**

Standard	
Blank	DIN terminal
L	DIN terminal with LED indicator
E	Explosion protection
Power saving (for DC24V)	
KL	DIN terminal with LED indicator

* MC(K)QI3-ø40 (for MVSN-220 valve)

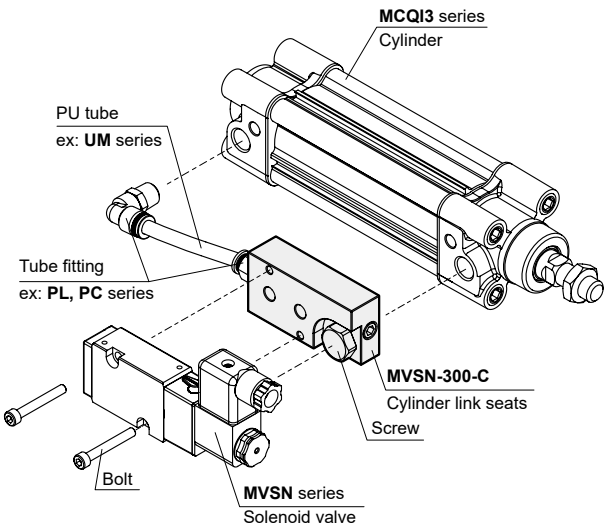
* MCQI3-ø50 (for MVSN-300 valve)

MVSN-300-C Solenoid valve link seats



Code / Model	H	W	L	Cylinder type
MVSN-220	70	44.3	40	MCQV3 / MCQI3 / MCKQI3 ø40
MVSN-300	73	52	46.4	MCQV3 / MCQI3 ø50

Mounting of solenoid valve link seats

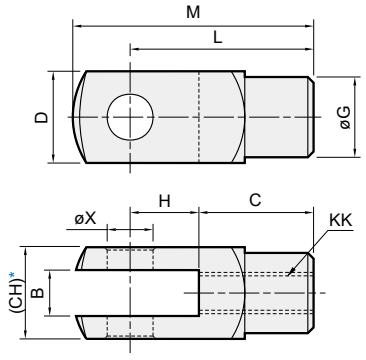


MCQV3 / MCQI3 Accessories ø32~ø100

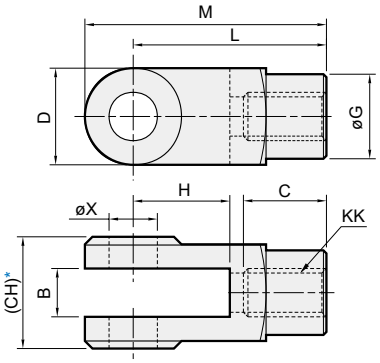
ISO 15552 **STANDARD CYLINDER**

Y connector

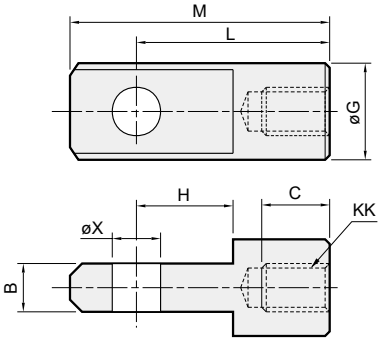
ø32~ø40



ø50~ø100



I connector

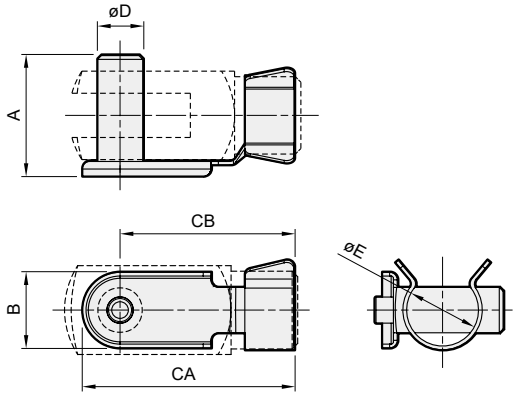


* Please do not take the sand casting plate as the mounting plate, because we do not machine it.
If you have this special demand, please contact our sales representative.

Code / Tube I.D.	B		C		CH		D		G		H		KK		L		M		X^{H9}
	Y	I	Y	I	Y	I	Y	I	Y	I	Y	I	Y	I	Y	I	Y	I	
32	10 $^{+0.5}_{+0.15}$	10 $^{-0.1}_{-0.2}$	20	17	19	–	19	–	ø18	ø20	20	15	M10×1.25		40	40	52	52	ø10 $^{+0.04}_{0}$
40	12 $^{+0.5}_{+0.15}$	12 $^{-0.1}_{-0.2}$	24	21	22	–	22	–	ø20	ø24	24	18	M12×1.25		48	48	62	62	ø12 $^{+0.04}_{0}$
50	16 $^{+0.3}_{+0.1}$	16 $^{-0.1}_{-0.3}$	28	23	32	–	32	–	ø28	ø32	32	32	M16×1.5		64	64	89	86	ø16 $^{+0.04}_{0}$
63	16 $^{+0.3}_{+0.1}$	16 $^{-0.1}_{-0.3}$	28	23	32	–	32	–	ø28	ø32	32	32	M16×1.5		64	64	89	86	ø16 $^{+0.04}_{0}$
80	20 $^{+0.3}_{+0.1}$	20 $^{-0.1}_{-0.3}$	33	30	45	–	40	–	ø36	ø36	40	40	M20×1.5		80	80	100	108	ø20 $^{+0.05}_{0}$
100	20 $^{+0.3}_{+0.1}$	20 $^{-0.1}_{-0.3}$	33	30	45	–	40	–	ø36	ø36	40	40	M20×1.5		80	80	100	108	ø20 $^{+0.05}_{0}$

PIN

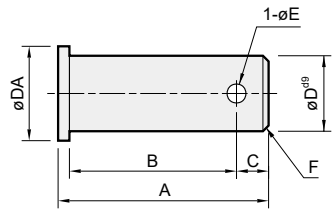
S



for floating pin

Code / Tube I.D.	A	B	CA	CB	D^{d9}	E
32	26	14	45	38	ø10 $^{-0.04}_{-0.07}$	17
40	31	16	54	46	ø12 $^{-0.05}_{-0.09}$	19
50,63	42	20	70	60	ø16 $^{-0.05}_{-0.09}$	27
80,100	56	30	91	76	ø20 $^{-0.06}_{-0.11}$	35

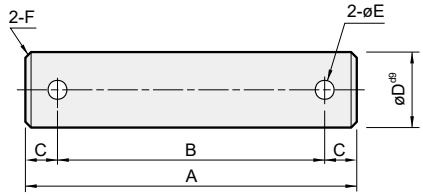
P



for Y & I connector

Code / Tube I.D.	A	B	C	D^{d9}	DA	E	F	Split pin
32	30	25	3.5	ø10 $^{-0.06}_{-0.09}$	14	3.2	1	3.2×20L
40	37	30	5	ø12 $^{-0.06}_{-0.09}$	16	3.2	1	3.2×20L
50,63	47	37	7	ø16 $^{-0.05}_{-0.09}$	22	4	1	4×25L
80,100	62	50	8	ø20 $^{-0.06}_{-0.11}$	30	5	1.5	5×35L

P



for CA & CB

Code / Tube I.D.	A	B	C	D^{d9}	E	F	Split pin
32	69	55	7	ø10 $^{-0.05}_{-0.09}$	4	1.0	4×20L
40	76	62	7	ø12 $^{-0.05}_{-0.09}$	4	1.0	4×20L
50	84	70	7	ø12 $^{-0.05}_{-0.09}$	4	1.0	4×20L
63	94	80	7	ø16 $^{-0.05}_{-0.09}$	4	1.0	4×30L
80	117	100	8.5	ø16 $^{-0.05}_{-0.09}$	5	1.5	5×30L
100	137	120	8.5	ø20 $^{-0.05}_{-0.09}$	5	1.5	5×35L