

MCQV / MCQV2 SERIES

ISO-VDMA STANDARD CYLINDER

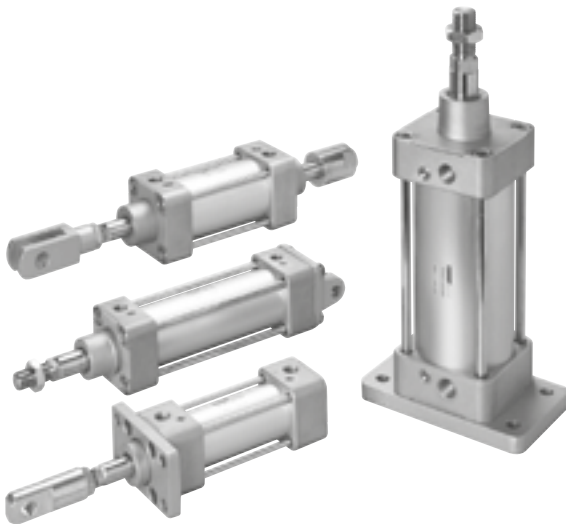


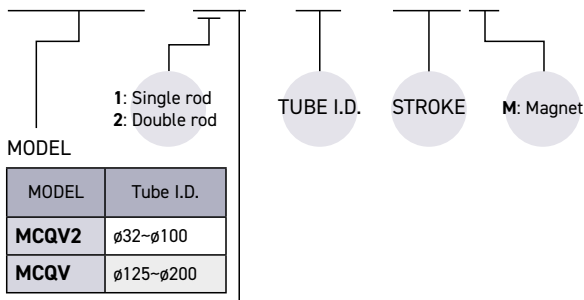
Table for standard stroke

Tube I.D.	Stroke (mm)
ø32,40	50,75,100,125,150,175,200,250,300,350,400,450,500
ø50,63	↑ 600
ø80,100,125,160	↑ 600,700
ø200	↑ 600,700,800,900,1000,1500

• Stroke out of specification is also available.
• Please consult us if stroke out of specification.

Order example

MCQV2 — 11 — 40 — 100M



STYLE

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

* Please mark "adjustable distance(mm)" at order list.
* Order example for special specification, refer to page (insert page).
* Order example for **Rc** or **NPT** thread please consult us.

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.

• ISO-VDMA standard specification

Conforms to ISO-6431 and VDMA 24562 specification enabling worldwide interchangeability.

• Cylinder mountings

Available with comprehensive internationally recognised range of fixed and flexible mountings.

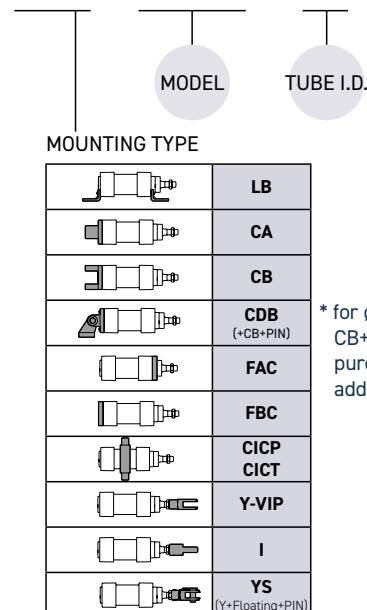
Specification

Model	MCQV2			MCQV		
Tube I.D. (mm)	32,40	50,63	80,100	125	160	200
Medium	Air					
Operating pressure 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 (*)	RCA					
Sensor switch holder	HV1	HV2	HV3	HV4	PM16	HA5V

* RCA specification, please refer to page (insert page).

Mounting accessories

FAC — MCQV — 40



* for ø32~ø100
CB+PIN are purchased additionally..

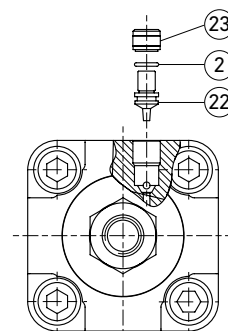
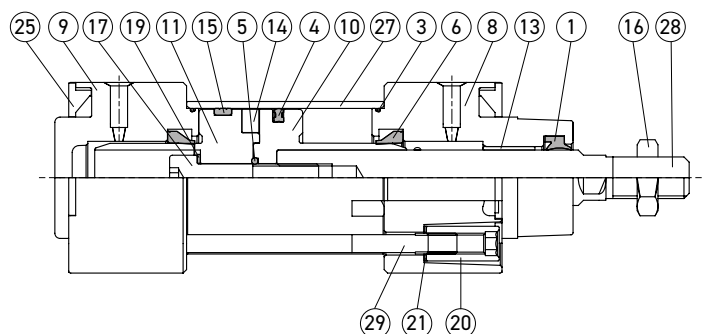
* for ø32~ø100

MCQV*-11 Inside structure & Parts list

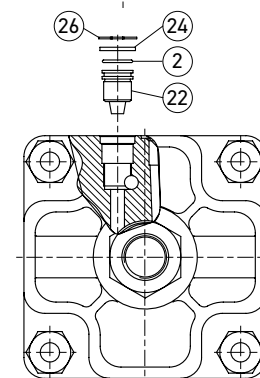
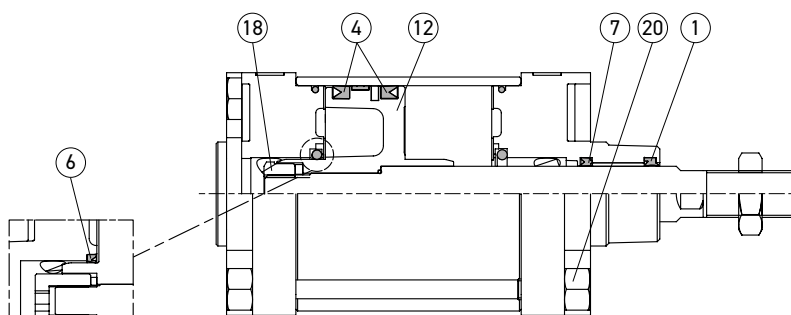
ISO-VDMA STANDARD CYLINDER

Single rod 11 type

ø32~ø100



ø125~ø200



ø200

No.	Part name	Material	Q'y	Component parts (inclusion)		Repair kits (inclusion)		Note
				ø32~ø100	ø125~ø200	ø32~ø100	ø125~ø200	
1	Rod packing	NBR	1	●	●	●	●	
2	O-ring	NBR	2	●	●	●	●	
3	O-ring	NBR	2	●	●	●	●	
4	Piston packing	NBR	1 or 2	●	●	●	●	ø125~ø200 (Q'y 2)
5	O-ring	NBR	1	●	●	●	●	
6	Cushion packing	NBR	2	●	●	●	●*	
7	Rod packing	NBR	1		●		●	
8	Rod cover	Aluminum alloy	1	●	●			
9	Head cover	Aluminum alloy	1	●	●			
10	Piston-R	Aluminum alloy	1	●				
11	Piston-H	Aluminum alloy	1	●				
12	Piston	Aluminum alloy	1		●			
13	Bush	Bearing alloy	1	●	●			
14	Magnet ring	Magnet material	1	◎	◎			◎ Option
15	Wear ring	Teflon	1	●	●			
16	Hex nut	Carbon steel	1	●	●			
17	Bolt	Carbon steel	1	●				
18	Piston nut	Carbon steel	1		●			
19	Washer	Carbon steel	1	●	●			ø32 does not contain item #19
20	Tie rod nut	Carbon steel	8	●	●			
21	Tie rod washer	Carbon steel	8	●				
22	Needle valve	Copper alloy	2	●	●			
23	Insert nut	Copper alloy	2	●				
24	Needle valve washer	Carbon steel	2		●			
25	Cover plate	Plastic	2	●				
26	Snap ring	Carbon steel	2		●			
27	Cylinder tube	Aluminum alloy	1					
28	Piston rod	Carbon steel	1					
29	Tie rod	Carbon steel	4					

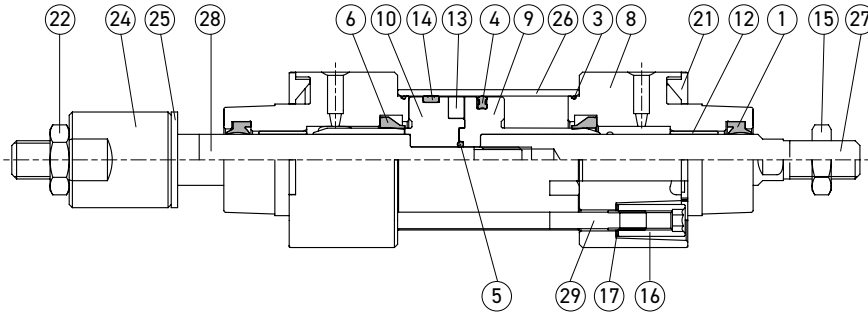
* Cushion packing is not included in ø200 repair kits.

MCQV*-2* Inside structure & Parts list

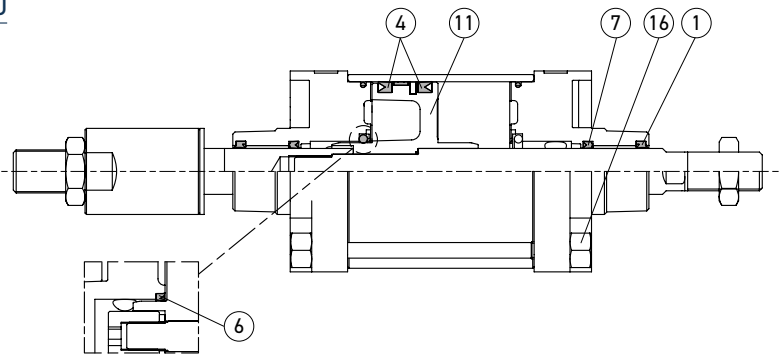
ISO-VDMA STANDARD CYLINDER

Double rod 21 / 27 type

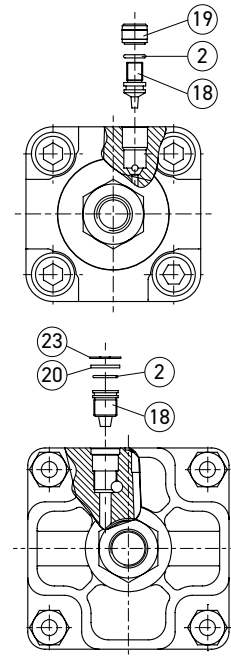
ø32~ø100



ø125~ø200



ø200



No.	21 type		27 type		Part name	Material	Q'y	Component parts (inclusion)		Repair kits (inclusion)		Note
	A	B	A	B				ø40~ø100	ø125~ø200	ø40~ø100	ø125~ø200	
1	●	●	●	●	Rod packing	NBR	2	●	●	●	●	
2	●	●	●	●	O-ring	NBR	2	●	●	●	●	
3	●	●	●	●	O-ring	NBR	2	●	●	●	●	
4	●	●	●	●	Piston packing	NBR	1 or 2	●	●	●	●	ø125~ø200 (Q'y 2)
5	●	●	●	●	O-ring	NBR	1	●	●	●	●	
6	●	●	●	●	Cushion packing	NBR	2	●	●	●	●*	
7		●		●	Rod packing	NBR	2		●		●	
8	●	●	●	●	Rod cover	Aluminum alloy	2	●	●			
9	●		●		Piston-R	Aluminum alloy	1	●				
10	●		●		Piston-H	Aluminum alloy	1	●				
11		●		●	Piston	Aluminum alloy	1		●			
12	●	●	●	●	Bush	Bearing alloy	2	●	●			
13	◎	◎	◎	◎	Magnet ring	Magnet material	1	◎	◎			◎ Option
14	●	●	●	●	Wear ring	Teflon	1	●	●			
15	●	●	●	●	Screw	Carbon steel	1	●	●			
16	●	●	●	●	Tie rod nut	Carbon steel	8	●	●			
17	●		●		Tie rod washer	Carbon steel	8	●				
18	●	●	●	●	Needle valve	Copper alloy	2	●	●			
19	●		●		Insert nut	Copper alloy	2	●				
20		●		●	Needle valve washer	Carbon steel	2		●			
21	●		●		Cover plate	Plastic	2	●				
22	●	●	●	●	Hex nut	Carbon steel	1	●	●			
23		●		●	Snap ring	Carbon steel	2		●			
24			●	●	Adjustable nut	Carbon steel	1					
25			●	●	Gasket	PU	1					
26	●	●	●	●	Cylinder tube	Aluminum alloy	1					
27	●	●	●	●	Piston rod #1	Carbon steel	1					
28	●	●	●	●	Piston rod #2	Carbon steel	1					
29	●	●	●	●	Tie rod	Carbon steel	4					

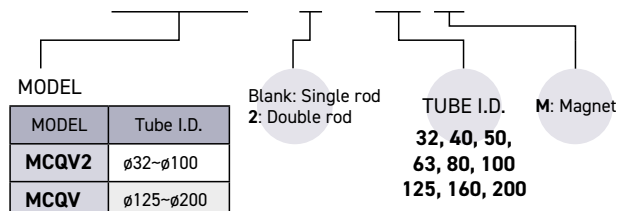
A: ø40~ø100, B: ø125~ø200 * Cushion packing is not included in ø200 repair kits.

MCQV* Component parts & Repair kits ø32~ø200

ISO-VDMA STANDARD CYLINDER

Order example of component parts

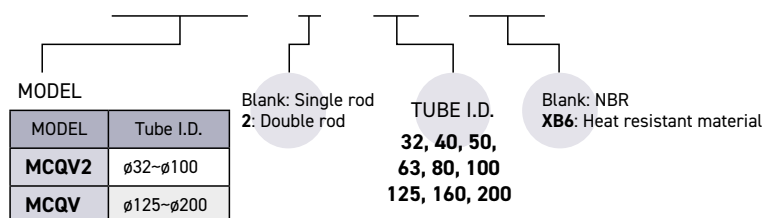
CP — MCQV2 — 2 — 40 M



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

Order example of repair kits

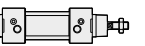
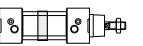
PS — MCQV2 — 2 — 40 — XB6



Cylinder & accessories weight

Cylinder weight

Unit: kg

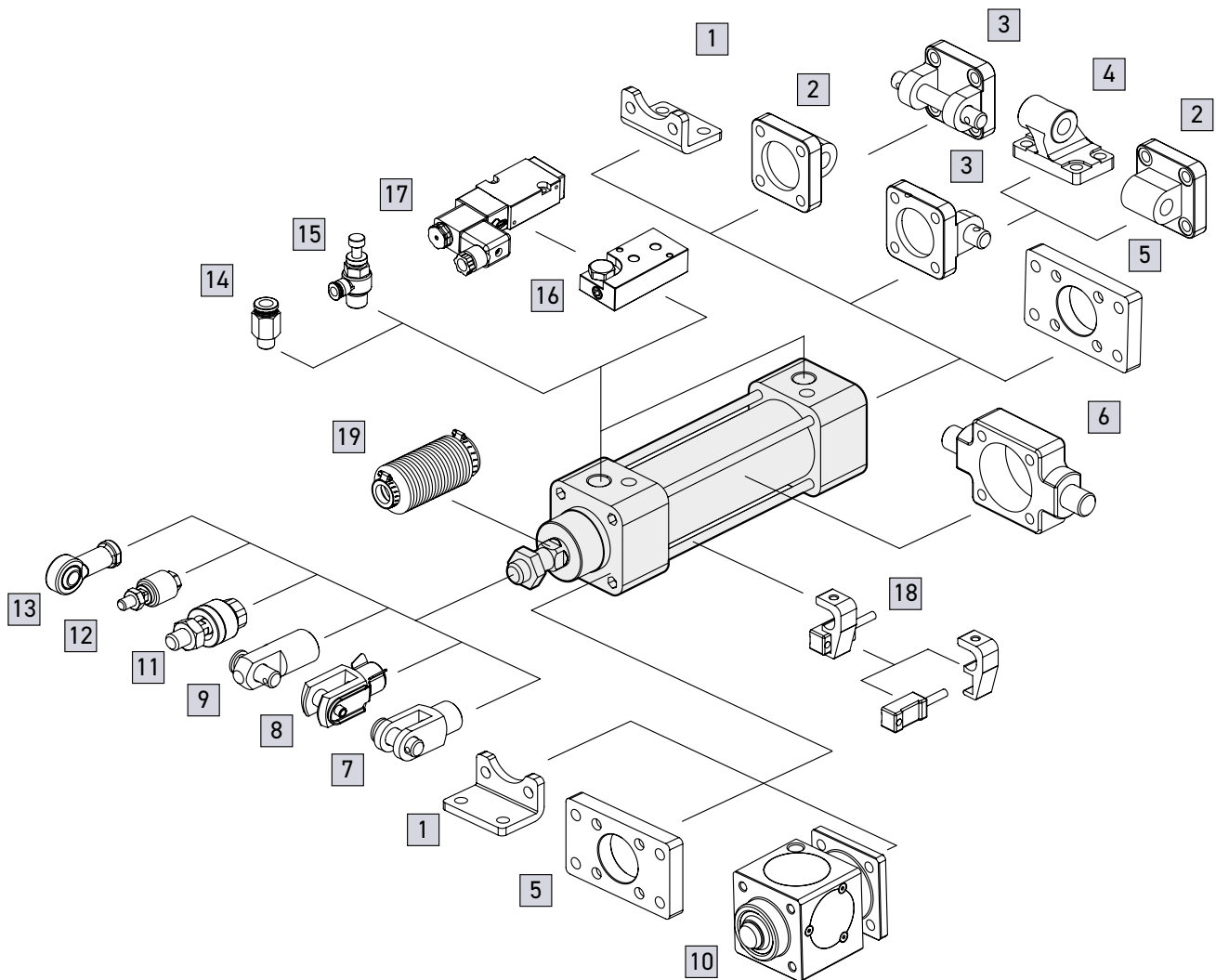
Model	Basic weight MCQV-11	Basic weight (magnet) MCQV-11	Stroke 25 mm MCQV-11
Tube I.D.			
ø32	0.520	0.526	0.053
ø40	0.770	0.782	0.075
ø50	1.200	1.217	0.115
ø63	1.700	1.720	0.130
ø80	2.770	2.797	0.210
ø100	3.960	3.995	0.220
ø125	7.345	7.388	0.372
ø160	—	—	—
ø200	—	—	—

Accessories weight

Model	LB	CA	CB	CDB	FAC/FBC	TA/TB/TC	Y	I	Pin		YS
Tube I.D.									Y&I	CA&CB	
ø32	0.163	0.213	0.185	0.170	0.235	0.208	0.067	0.082	—	—	—
ø40	0.211	0.253	0.211	0.230	0.265	0.282	0.115	0.141	—	—	—
ø50	0.315	0.390	0.352	0.410	0.460	0.377	0.272	0.334	—	—	—
ø63	0.395	0.670	0.544	0.550	0.684	0.675	0.272	0.334	—	—	—
ø80	0.816	1.076	0.982	0.870	1.508	1.025	0.551	0.553	—	—	—
ø100	1.014	1.587	1.493	1.400	1.975	1.680	0.551	0.553	—	—	—
ø125	2.500	3.780	3.560	—	4.020	2.750	1.160	1.400	—	—	—
ø160	4.600	7.400	7.140	—	7.170	5.130	3.120	1.900	—	—	—
ø200	—	—	—	—	—	—	—	—	—	—	—

MCQV* Accessories

ISO-VDMA STANDARD CYLINDER



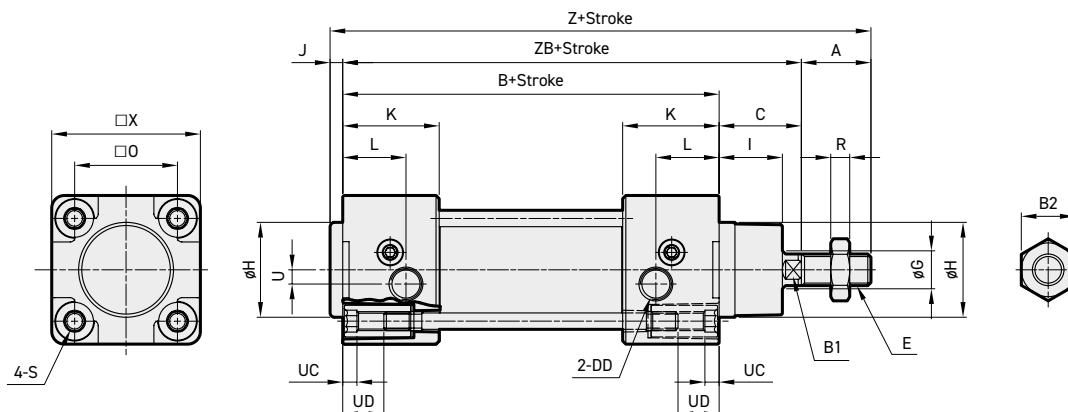
No.	Accessories	Page
1	Mounting accessories LB	
2	Mounting accessories CA	
3	Mounting accessories CB+PIN	
4	Mounting accessories CDB	
5	Mounting accessories FAC / FBC	
6	Mounting accessories TA / TB / TC	
7	Accessories Y+PIN	
8	Accessories YS (Y+Floating pin)	
9	Accessories I+PIN	
10	Locking unit MCBQV*	

No.	Accessories	Page
11	Floating joint MFC	
12	Floating joint MFCS	
13	Female rod ends PHS	
14	Fitting PC (PISCO)	
15	Speed controller JSC (PISCO)	
16	Cylinder link seats MVSN-300-C	
17	Solenoid valve MVSN-220 / 300	
18	Sensor switch RCA+HV*	
19	Protective bellows kit	—

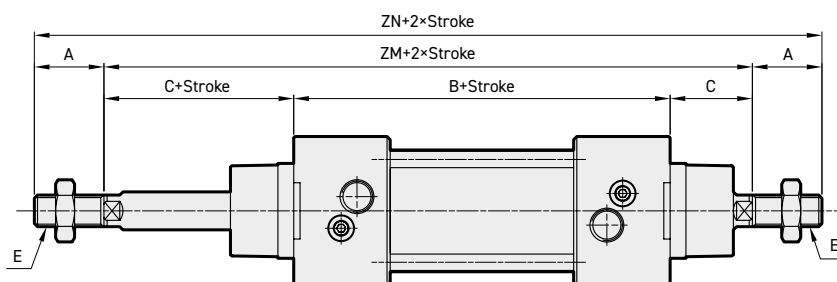
MCQV / MCQV2 Dimensions $\phi 32 \sim \phi 100$

ISO-VDMA STANDARD CYLINDER

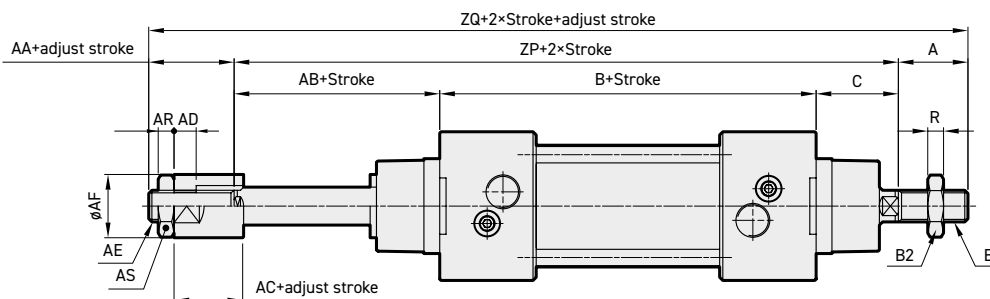
11



21



27

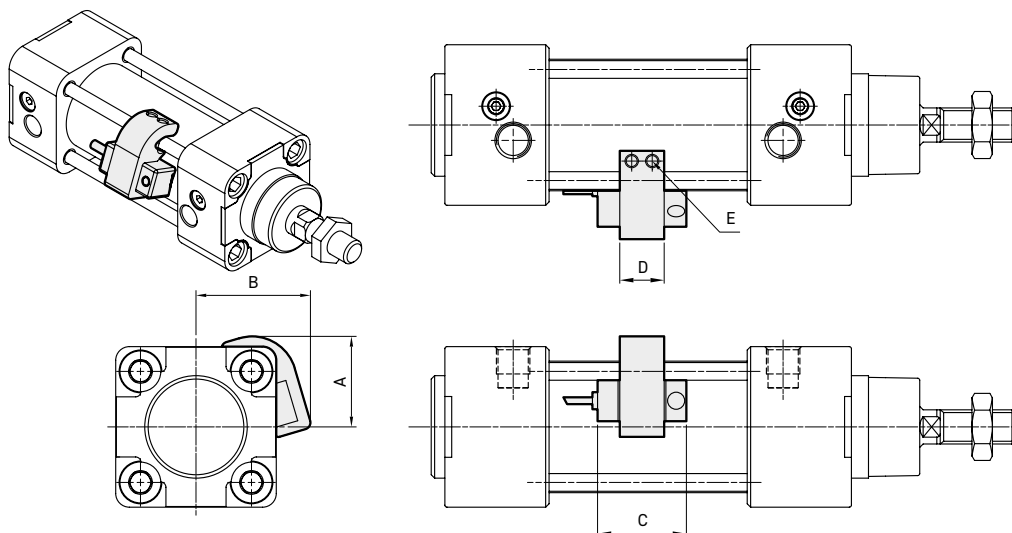


Code Tube I.D.	A	AA	AB	AC	AD	AE	AF	AR	AS	B	B1	B2	C	DD	E	G	H	I	J	K	L	O	R
32	22	16	26	12	7	M10×1.25	20	5	17	94	10	17	26	G1/8	M10×1.25	12	30	20	4	30.5	20	32.5	5
40	24	20	27	12	7	M12×1.25	30	6	19	105	13	19	30	G1/4	M12×1.25	16	35	20.5	4	34	14.5	38	6
50	32	18	34	15	10	M16×1.5	40	8	24	106	16	24	37	G1/4	M16×1.5	20	40	28	4	31	16	46.5	8
63	32	20	32	15	10	M16×1.5	40	8	24	121	16	24	37	G3/8	M16×1.5	20	45	26	4	33	16	56.5	8
80	40	32	41	20	14	M22×1.5	50	13	32	128	21	30	46	G3/8	M20×1.5	25	45	32.5	4	35.5	20.5	72	10
100	40	30	46	20	14	M22×1.5	50	13	32	138	21	30	51	G1/2	M20×1.5	25	55	37.5	4	37	19	89	10

Code Tube I.D.	S	U	UC	UD	X	Z	ZB	ZM	ZN	ZP	ZQ
32	M6×1.0	4.5	4.5	12	47	146	120	146	190	146	184
40	M6×1.0	5.3	4.5	12	55	163	135	165	213	162	206
50	M8×1.25	8.5	4.5	16	65	179	143	180	244	177	227
63	M8×1.25	8	4.5	16	78	194	158	195	259	190	242
80	M10×1.5	9	4.5	18	95	218	174	220	300	215	287
100	M10×1.5	13	4.5	18	115	233	189	240	320	235	305

MCQV / MCQV2 Installation of sensor switch $\phi 32 \sim \phi 200$

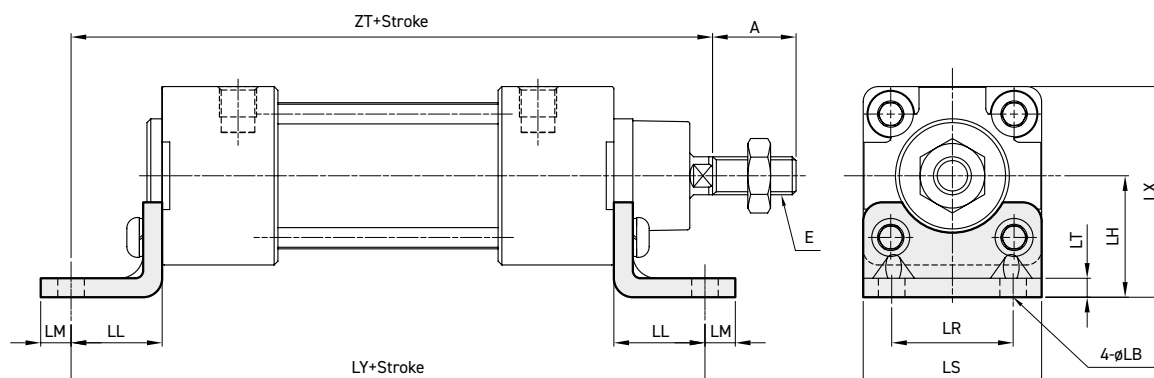
ISO-VDMA STANDARD CYLINDER



Code Tube I.D.	Sensor switch	Hold	A	B	C	D	E
MCQV2-32	RCA	HV1	26.5	33.5	26	13	M4×10L
MCQV2-40	RCA	HV1	29.5	36.5	26	13	M4×10L
MCQV2-50	RCA	HV2	37.5	41.5	26	13	M4×10L
MCQV2-63	RCA	HV2	42.5	46.5	26	13	M4×10L
MCQV2-80	RCA	HV3	49.5	54.5	26	13	M5×16L
MCQV2-100	RCA	HV3	57.5	62.5	26	13	M5×16L
MCQV-125	RCA	HV4	—	—	26	13	M4×10L
MCQV-160	RCA	PM16	—	—	26	12	M4×10L
MCQV-200	RCA	HA5V	—	—	26	15	M4×16L

■ Mounting accessories

LB

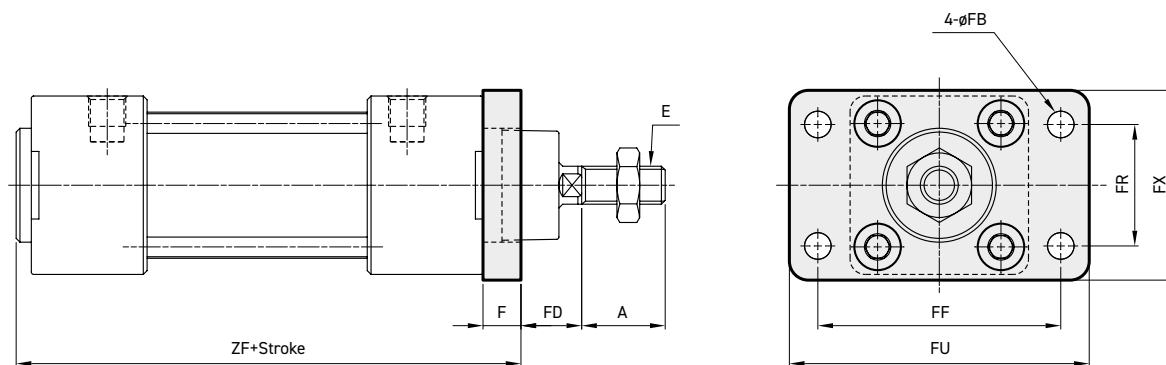


Code Tube I.D.	A	E	LB	LH	LL	LM	LR	LS	LT	LX	LY	ZT
32	22	M10×1.25	7	32	24	8	32	47	5	55.5	142	144
40	24	M12×1.25	9	36	28	10	36	53	5	63.2	161	163
50	32	M16×1.5	9	45	32	10	45	65	5	77.5	170	175
63	32	M16×1.5	9	50	32	10	50	75	5	89.0	185	190
80	40	M20×1.5	12	63	41	13	63	95	6	110.5	210	215
100	40	M20×1.5	14	71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

MCQV* / MCQI2 Mounting accessories $\phi 32 \sim \phi 100$

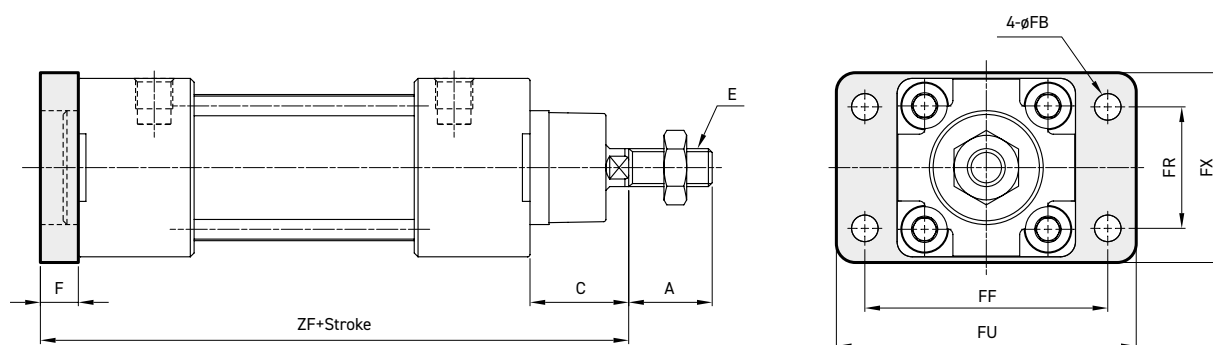
ISO-VDMA STANDARD CYLINDER

FAC



Code Tube I.D.	A	E	F	FB	FD	FF	FR	FU	FX	ZF
32	22	M10×1.25	10	7	16	64	32	79	50	108
40	24	M12×1.25	10	9	20	72	36	93	54	119
50	32	M16×1.5	12	9	25	90	45	112	67	122
63	32	M16×1.5	12	9	25	100	50	127	79	137
80	40	M20×1.5	16	12	30	126	63	158	98	148
100	40	M20×1.5	16	14	35	150	75	185	116	158

FBC



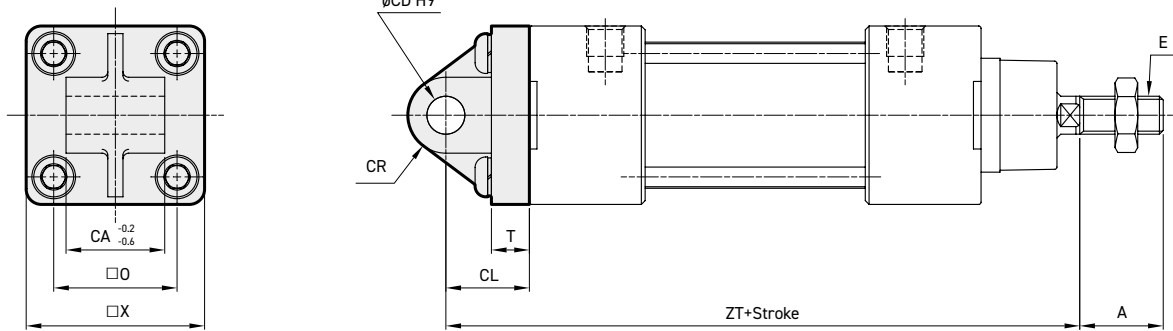
Code Tube I.D.	A	C	E	F	FB	FF	FR	FU	FX	ZF
32	22	26	M10×1.25	10	7	64	32	79	50	130
40	24	30	M12×1.25	10	9	72	36	93	54	145
50	32	37	M16×1.5	12	9	90	45	112	67	155
63	32	37	M16×1.5	12	9	100	50	127	79	170
80	40	46	M20×1.5	16	12	126	63	158	98	190
100	40	51	M20×1.5	16	14	150	75	185	116	205

MCQV* / MCQI2 Mounting accessories $\phi 32 \sim \phi 100$

ISO-VDMA STANDARD CYLINDER

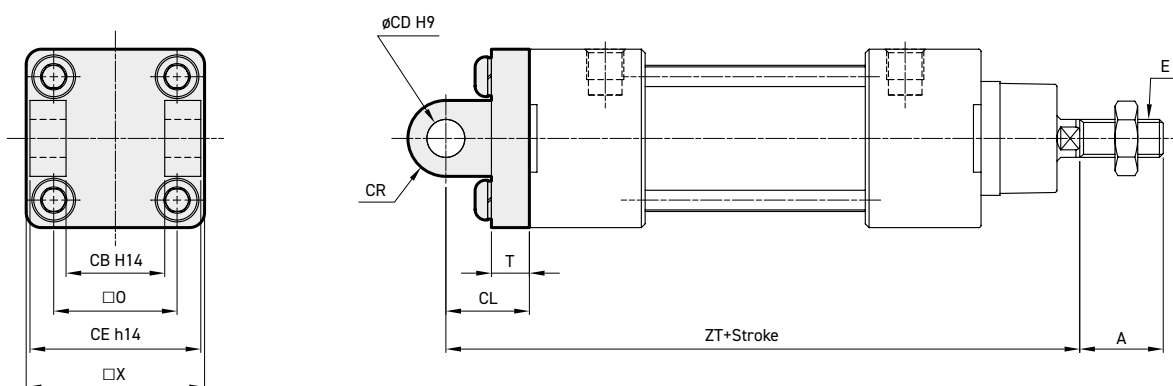
Air Preparation
Solenoid Valves
Pilot and Mechanical Valves
Pneumatic Cylinders
Ancillary Equipment
Rodless Cylinders

CA



Code Tube I.D.	A	CA	CD	CL	CR	E	O	T	X	ZT
32	22	26	10	22	R10.5	M10×1.25	32.5	10	46	142
40	24	28	12	25	R12	M12×1.25	38	9	52	160
50	32	32	12	27	R13	M16×1.5	46.5	9	63.5	170
63	32	40	16	32	R17	M16×1.5	56.5	9	75	190
80	40	50	16	36	R17	M20×1.5	72	12	93	210
100	40	60	20	41	R21	M20×1.5	89	11	112	230

CB



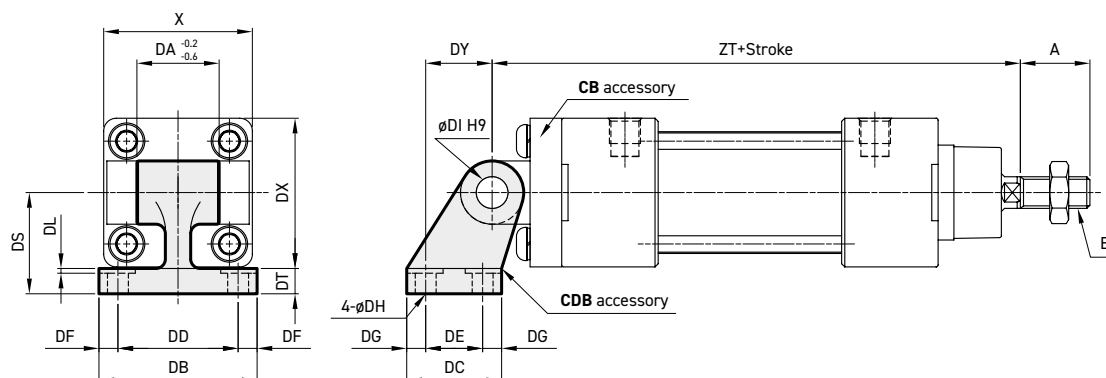
Code Tube I.D.	A	CB	CD	CE	CL	CR	E	O	T	X	ZT
32	22	26	10	45	22	R10.5	M10×1.25	32.5	10	46	142
40	24	28	12	52	25	R12	M12×1.25	38	9	52	160
50	32	32	12	60	27	R14	M16×1.5	46.5	9	63.5	170
63	32	40	16	70	32	R17	M16×1.5	56.5	9	75	190
80	40	50	16	90	36	R17	M20×1.5	72	12	93	210
100	40	60	20	110	41	R21	M20×1.5	89	11	112	230

MCQV2 Mounting accessories $\phi 32 \sim \phi 100$

ISO-VDMA STANDARD CYLINDER

CDB

CB+Pin (Extra purchase)

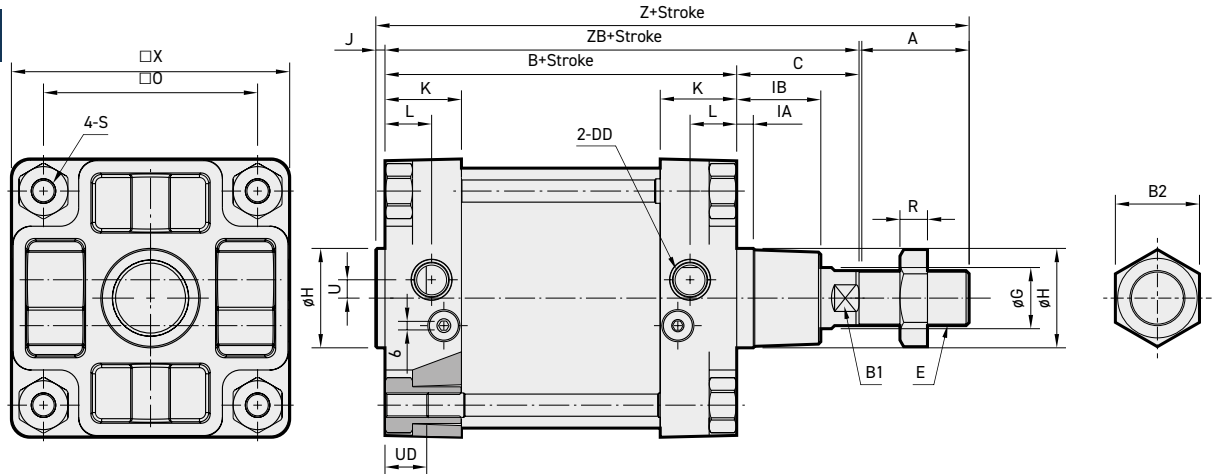


Code Tube I.D.	A	DA	DB	DC	DD	DE	DF	DG	DH	DI	DL	DS	DT	DX	DY	E	X	ZT
32	22	26	50	30	38	18	6	6	6.6	10	1.5	32	8	47.5	21	M10×1.25	47	142
40	24	28	53	34	41	22	6	6	6.6	12	1.5	36	10	52.5	24	M12×1.25	55	160
50	32	32	65	45	50	30	7.5	7.5	9	12	1.5	45	12	65.5	33	M16×1.5	65	170
63	32	40	67	50	52	35	7.5	7.5	9	16	1.5	50	12	75.5	37	M16×1.5	78	190
80	40	50	86	60	66	40	10	10	11	16	2.5	63	14	96.5	47	M20×1.5	95	210
100	40	60	96	70	76	50	10	10	11	20	2.5	71	15	113.5	55	M20×1.5	115	230

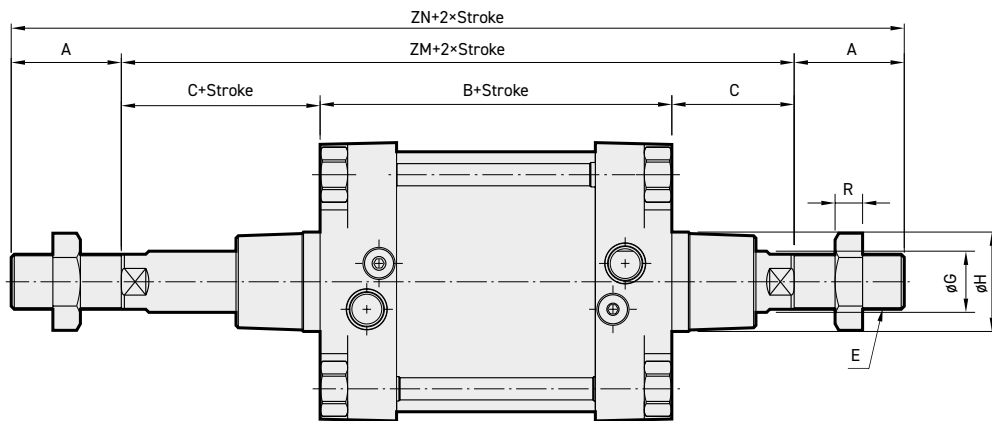
MCQV2 Dimensions $\phi 125 \sim \phi 200$

ISO-VDMA STANDARD CYLINDER

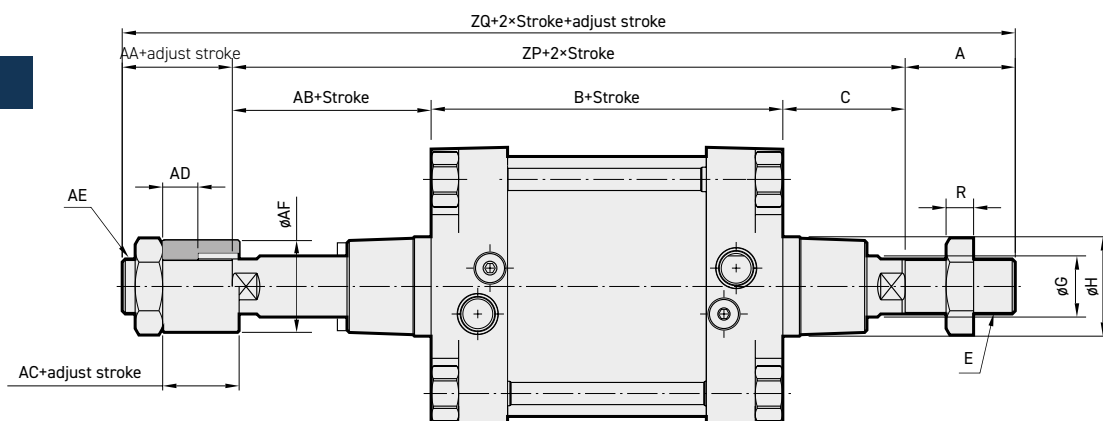
11



21



27



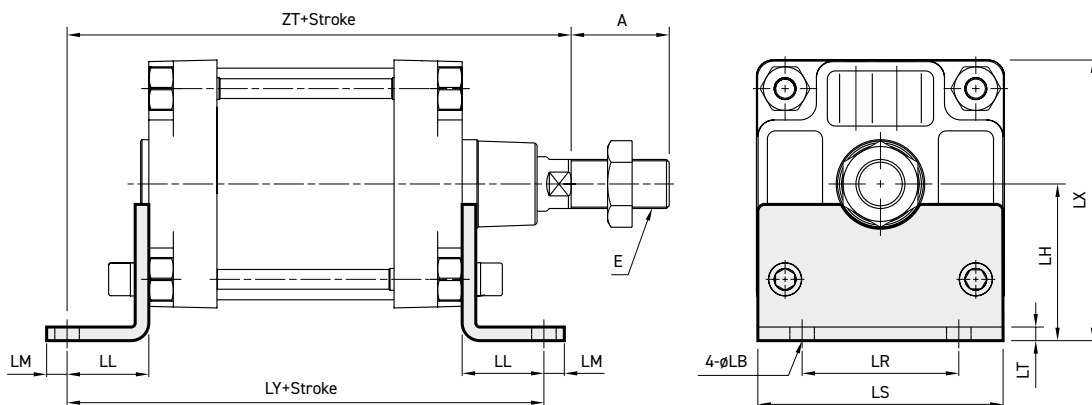
Code Tube I.D.	A	AA	AB	AC	AD	AE	AF	B	B1	B2	C	DD	E	G	H	IA	IB	J	K	L	O	R	S
125	54	38	55	30	18	M30×1.5	60	160	27	41	65	G1/2	M27×2	32	60e11	10	40	6	40	25	110	13.5	M12×1.75
160	72	38	71	30	18	M30×1.5	60	180	36	55	80	G3/4	M36×2	40	65e11	10	55	6	50	30.5	140	18	M16×2.0
200	72	40.5	94.5	42.5	20	M36×2.0	60	180	36	55	95	G3/4	M36×2	40	75e11	15	55	6	56	36.5	175	18	M16×2.0

Code Tube I.D.	U	UD	X	Z	ZB	ZM	ZN	ZP	ZQ
125	11	22	140	285	225	290	398	280	372
160	12	27	182	338	260	340	484	331	441
200	12	28	220	353	275	370	514	369.5	482

MCQV* Mounting accessories $\phi 125 \sim \phi 200$

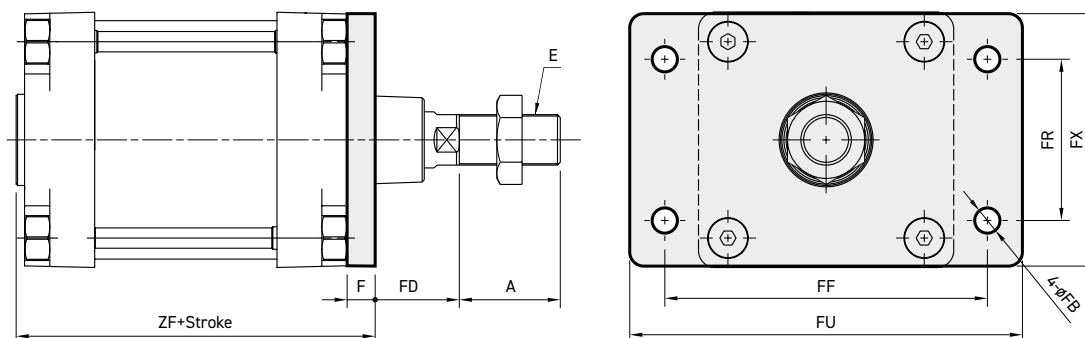
ISO-VDMA STANDARD CYLINDER

LB



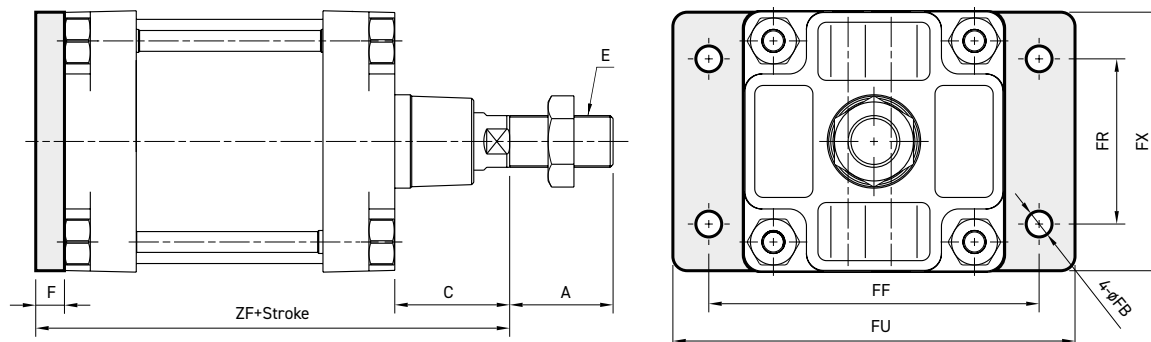
Code Tube I.D.	A	E	LB	LH	LL	LM	LR	LS	LT	LX	LY	ZT
125	54	M27×2.0	16	90	45	25	90	140	9	160	250	270
160	72	M36×2.0	18	115	60	15	115	180	10	206	300	320
200	72	M36×2.0	24	135	70	35	135	220	12	245	320	345

FAC



Code Tube I.D.	A	E	F	FB	FD	FF	FR	FU	FX	ZF
125	54	M27×2.0	20	16	45	180	90	211	140	186
160	72	M36×2.0	20	18	60	230	115	283	184	206
200	72	M36×2.0	25	22	70	270	135	320	220	211

FBC

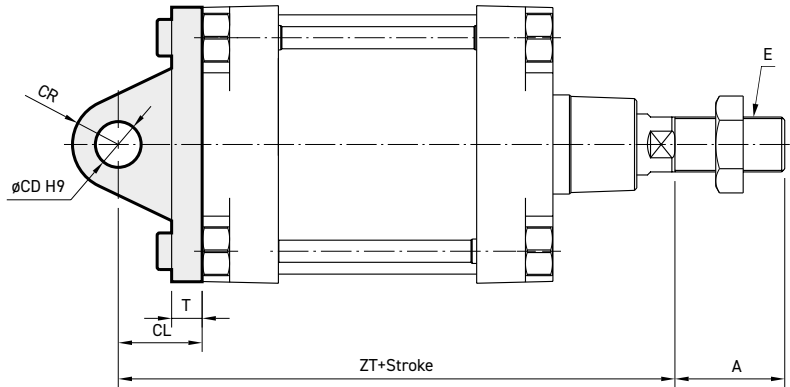
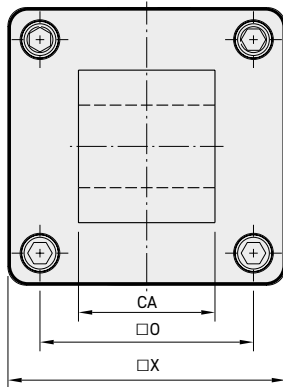


Code Tube I.D.	A	C	E	F	FB	FF	FR	FU	FX	ZF
125	54	65	M27×2.0	20	16	180	90	211	140	245
160	72	80	M36×2.0	20	18	230	115	283	184	280
200	72	95	M36×2.0	25	22	270	135	320	220	300

MCQV2 Mounting accessories $\phi 125 \sim \phi 200$

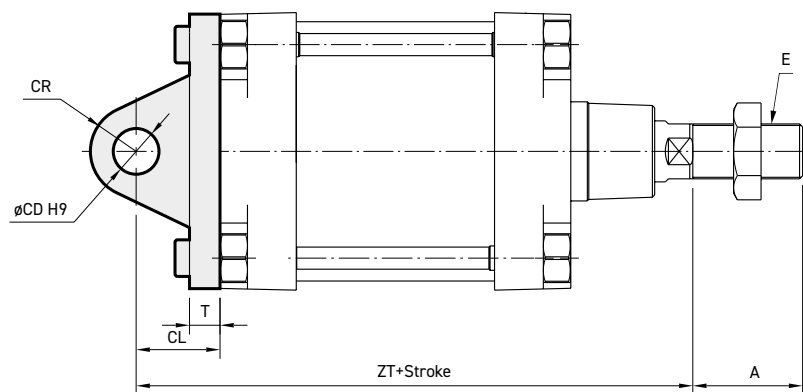
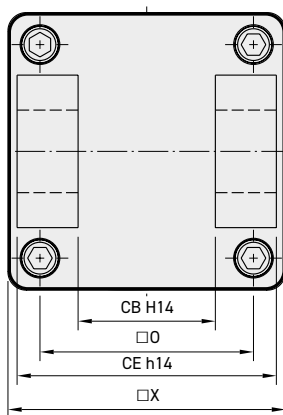
ISO-VDMA STANDARD CYLINDER

CA



Code Tube I.D.	A	CA	CD	CL	CR	E	O	T	X	ZT
125	54	69.5 ⁰ _{-0.7}	25	50	R25	M27×2.0	110	20	139	275
160	72	89.5 ⁰ _{-0.7}	30	55	R30	M36×2.0	140	20	178	315
200	72	90 ^{-0.5} _{-1.2}	30	60	R30	M36×2.0	175	21	218	335

CB

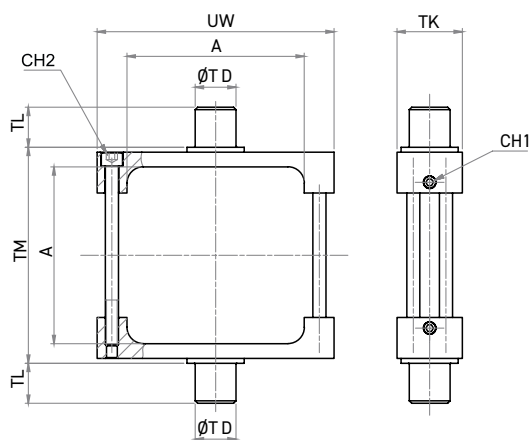


Code Tube I.D.	A	CB	CD	CE	CL	CR	E	O	T	X	ZT
125	54	70	25	130	50	R25	M27×2.0	110	20	139	275
160	72	90	30	170	55	R30	M36×2.0	140	20	178	315
200	72	90	30	170	60	R30	M36×2.0	175	21	218	335

MCQV* / MCQI2 Mounting accessories $\phi 32 \sim \phi 200$

ISO-VDMA STANDARD CYLINDER

CICP

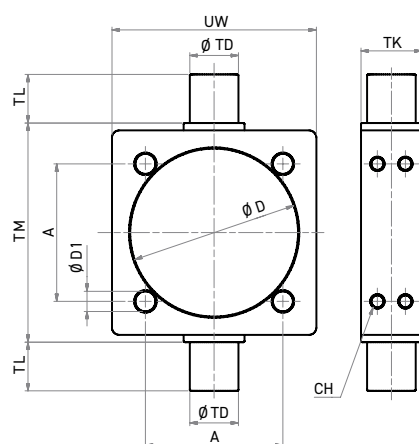


THE SUPPLY INCLUDES:
n° 1 FOOT MOUNTING
n° 2 SCREWS

MATERIAL:
ZINC COATED STEEL

Code Tube I.D.	A	CH1	CH2	ØTD	TK	TL	TM	UW	Tightening Torque (Nm)
32	45	3	3	12	25	11.5	50	65	—
40	51.8	3	4	16	25	16	63	75	8+1
50	60.7	3	5	16	30	16	75	95	8+2
63	72.2	3	5	20	30	20	90	105	18+2
80	91.2	3	5	20	30	20	110	130	28+2
100	108.2	4	6	25	40	24.5	132	145	28+2
125	135.3	4	6	25	40	24.5	160	176	40+2

CICP



THE SUPPLY INCLUDES:
n° 1 INTERMEDIATE HINGE

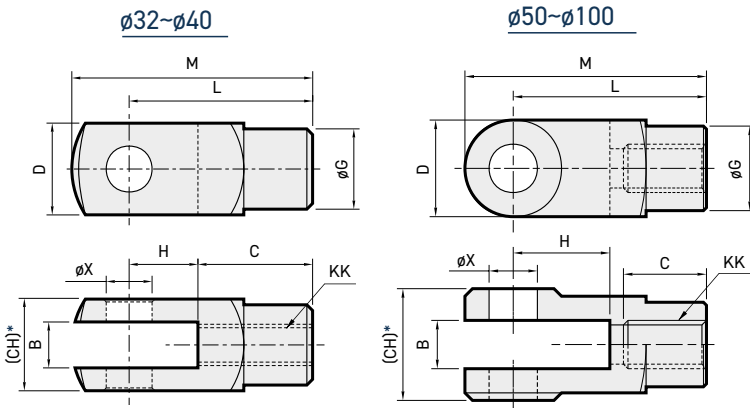
MATERIAL:
ZINC COATED STEEL

Code Tube I.D.	A	CH	ØD1	ØD	ØTD	TK	TL	TM	UW
32	32.5	2.5	6.25	37	12	15	12	50	46
40	38	2.5	6.25	46	16	20	16	63	59
50	46.5	3	8.25	56	16	20	16	75	69
63	56.5	3	8.25	69	20	25	20	90	84
80	72	4	10.25	87	20	25	20	110	102
100	89	4	10.25	107	25	30	25	132	125
125	110	5	12.25	133	25	32	25	160	155
160	140	6	16.5	172.5	32	40	32	200	190
200	175	6	16.5	213	32	40	32	250	240
250	220	-	20.25	264	40	50	40	320	295
320	270	-	24.25	338	50	70	50	400	370

MCQV* / MCQI2 Accessories $\phi 32 \sim \phi 100$

ISO-VDMA STANDARD CYLINDER

Y-VIP 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.

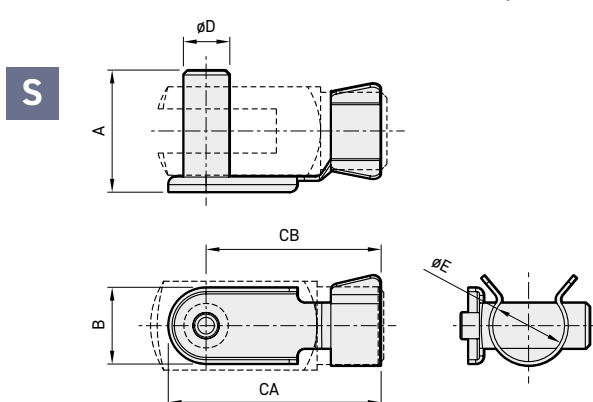
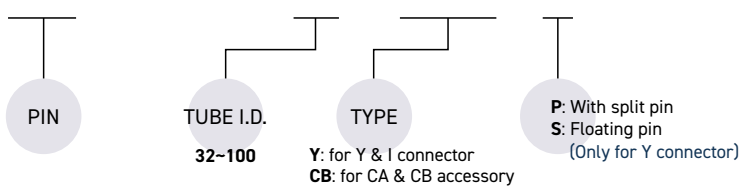
Code	B		C		CH		D		G		H		KK		L		M		X ^{H9}
Tube I.D.	Y	I	Y	I	Y	I	Y	I	Y	I	Y	I	Y	I	Y	I	Y	I	
32	10 ^{+0.5} _{+0.15}	10 ^{-0.1} _{-0.2}	20	17	19	—	19	—	$\phi 18$	$\phi 20$	20	15	M10×1.25	40	40	52	52	$\phi 10$	^{+0.04} ₀
40	12 ^{+0.5} _{+0.15}	12 ^{-0.1} _{-0.2}	24	21	22	—	22	—	$\phi 20$	$\phi 24$	24	18	M12×1.25	48	48	62	62	$\phi 12$	^{+0.04} ₀
50	16 ^{+0.3} _{+0.1}	16 ^{-0.1} _{-0.3}	28	23	32	—	32	—	$\phi 28$	$\phi 32$	32	32	M16×1.5	64	64	89	86	$\phi 16$	^{+0.04} ₀
63	16 ^{+0.3} _{+0.1}	16 ^{-0.1} _{-0.3}	28	23	32	—	32	—	$\phi 28$	$\phi 32$	32	32	M16×1.5	64	64	89	86	$\phi 16$	^{+0.04} ₀
80	20 ^{+0.3} _{+0.1}	20 ^{-0.1} _{-0.3}	33	30	45	—	40	—	$\phi 36$	$\phi 36$	40	40	M20×1.5	80	80	100	108	$\phi 20$	^{+0.05} ₀
100	20 ^{+0.3} _{+0.1}	20 ^{-0.1} _{-0.3}	33	30	45	—	40	—	$\phi 36$	$\phi 36$	40	40	M20×1.5	80	80	100	108	$\phi 20$	^{+0.05} ₀

PIN

Order example

* MCQV / MCQI are common accessories.

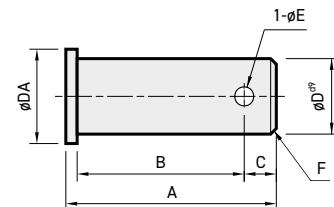
PIN — MCQV — 40 — Y-VIP — P



for floating pin

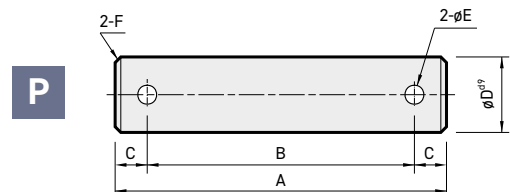
Code	A	B	CA	CB	D ^{d9}	E
Tube I.D.						
32	26	14	45	38	$\phi 10$	17
40	31	16	54	46	$\phi 12$	19
50,63	42	20	70	60	$\phi 16$	27
80,100	56	30	91	76	$\phi 20$	35

P



for Y & I connector

Code	A	B	C	D ^{d9}	DA	E	F	Split pin
Tube I.D.								
32	30	25	3.5	$\phi 10$	14	3.2	1	3.2×20L
40	37	30	5	$\phi 12$	16	3.2	1	3.2×20L
50,63	47	37	7	$\phi 16$	22	4	1	4×25L
80,100	62	50	8	$\phi 20$	30	5	1.5	5×35L



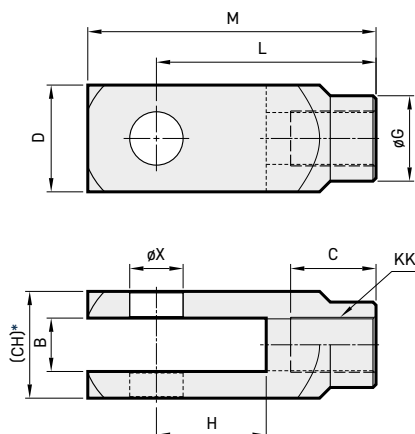
for CA & CB

Code	A	B	C	D ^{d9}	E	F	Split pin
Tube I.D.							
32	69	55	7	$\phi 10$	4	1.0	4×20L
40	76	62	7	$\phi 12$	4	1.0	4×20L
50	84	70	7	$\phi 12$	4	1.0	4×20L
63	94	80	7	$\phi 16$	4	1.0	4×30L
80	117	100	8.5	$\phi 16$	5	1.5	5×30L
100	137	120	8.5	$\phi 20$	5	1.5	5×35L

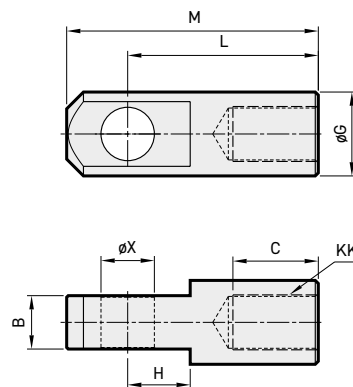
MCQV Accessories $\phi 125 \sim \phi 200$

ISO-VDMA STANDARD CYLINDER

Y connector



I connector



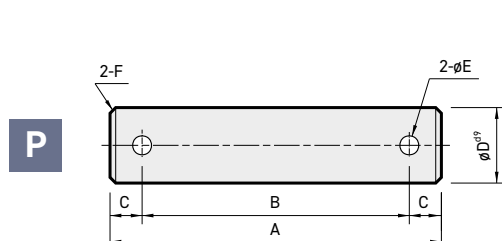
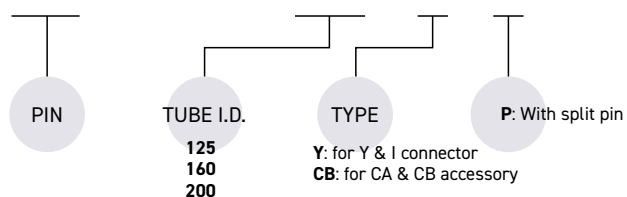
* Please do not take the sand casting plate as the mounting plate, because we do not machine it. If you have this special demand, please contact our sales representative.

Code Tube I.D.	B		C		CH		D		G		H		KK		L		M		X ^{F7}	
	Y	I	Y	I	Y	I	Y	I	Y	I	Y	I	Y	I	Y	I	Y	I	Y	I
125	30 ^{+0.52} ₀	30 ^{-0.2} _{-0.3}	56	51	55	—	55	—	48	55	54	40	M27×2.0	110	110	148	145	30 ^{+0.52} ₀	30 ^{+0.04} _{+0.02}	
160	35 ^{+0.62} ₀	35 ^{-0.2} _{-0.3}	56	56	70	—	70	—	56	55	72	41	M36×2.0	144	125	189	165	35 ^{+0.05} _{+0.02}	35 ^{+0.05} _{+0.02}	
200	35 ^{+0.62} ₀	35 ^{-0.2} _{-0.3}	56	56	70	—	70	—	56	55	72	41	M36×2.0	144	125	189	165	35 ^{+0.05} _{+0.02}	35 ^{+0.05} _{+0.02}	

PIN

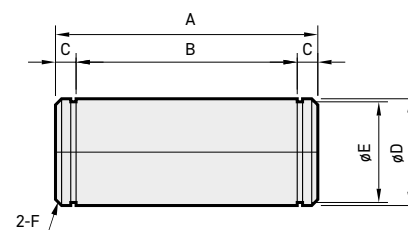
Order example

PIN — MCQV — 125 — Y — P



for $\phi 125$

Code Type	A	B	C	D ^{d9}	E	F	Split pin
CB	157	140	8.5	$\phi 25$ ^{-0.07} _{-0.12}	5	1.5	5×36L
Y	81	64	8.5	$\phi 30$ ^{-0.07} _{-0.12}	6.3	1.5	6.3×40L



for $\phi 160, \phi 200$

Code Type	A	B	C	D	E	F	Split pin
CB	186	172	7	30 ⁺⁸ _{-0.09}	28.6 ⁰ _{-0.21}	2	STW-30
Y	86	72	7	35 ⁺⁷ _{-0.03}	33 ⁰ _{-0.25}	2	STW-35