

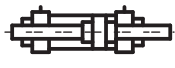
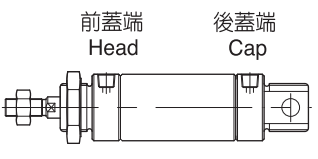
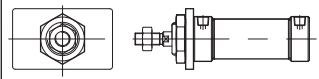
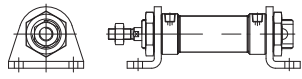


**圓型不鏽鋼氣缸特性資料 Specification**

氣壓缸內徑 Bore sizes of cylinder(mm)	Ø40		Ø50		Ø63	
缸管材質 Material of cylinder barrel	鋁合金管 Aluminum alloy tubes					
使用壓力範圍 The range of pressure(MPa)	0.3-0.99MPa (3-9.9kgf/cm <sup>2</sup> )					
使用溫度範圍 The range of temperature(°C)	NBR{-20°~+80°(C°)}/VITON{-10°~150°(C°)}					
使用速度範圍 The range of speed(mm/sec)	3~300 mm/sec					
標準衝程活塞(PM)的長度Standard stroke of the piston (PM) length	30		30		30	
標準緩衝長度Standard Cushion length	17		25		25	
各缸徑最大容許衝程 STROKE .mm Max.Permissible	本系列鋁管最長衝程為1000mm,如需更長衝程請來電洽詢					
衝程之容許公差/Tolerance of stroke	衝程/STROKE	100 以下	100~250	250~630	631~1000	
JIS B 8354 B級/Refer to Right Table	容許差/Tolerance	0~+0.8	0~+1.0	0~+1.25	0~+1.4	
活塞桿螺紋加工精度/Accuracy of Threading at Rod End	JIS 6g/6H(相當JIS 2級)					

**MR - B - N - 040 - A - A - 016 - N - 0100 - N - N - AST000 - N**



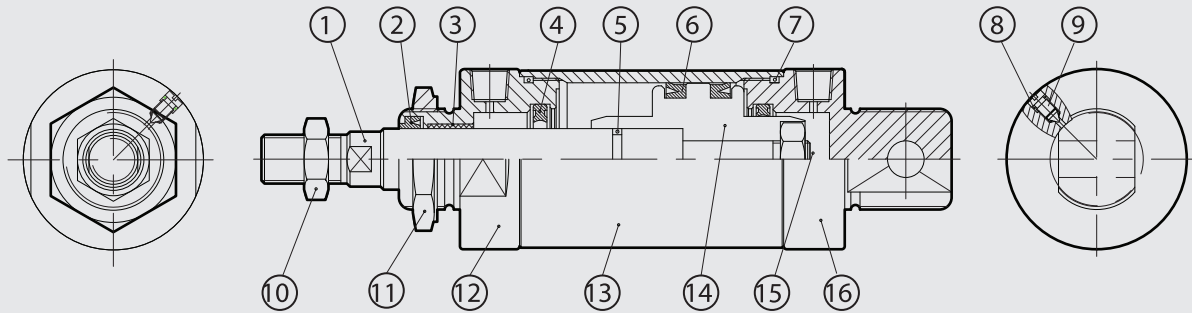
1	型式 / TYPE	C: CA型 C: CA TYPE		A: 平尾型 A: HIRAO TYPE	
		D: 雙軸型 D: DOUBLE ROD TYPE			
2	磁石/MAGNET	R: 內加磁石 N: 沒有 R: with magnet inside N: No symbol			
3	鋁管內徑/外徑 ALUMINUM TUBES	Ø40 / Ø45		Ø50 / Ø55	
4	油封選用 SEAL SYMBOL 油封材質/Seal material	A	NBR 丁晴橡膠 Nitrile rubber		B VITON 氟素橡膠 Fluoro elastomer
5	入油口位置填入 Port position	前蓋端 Head	A:上(標準型)/B:右/C:下/D:左 A:UP(Standard)/B:Right/C:Down/D:Left		 <p>前蓋端 Head 後蓋端 Cap</p> <p>A 上 UP B 右 Right C 下 Down D 左 Left</p>
		後蓋端 Cap	A:上(標準型)/B:右/C:下/D:左 A:UP(Standard)/B:Right/C:Down/D:Left		
		A=AA / B=BB / C=CC / D=DD E=AB / F=AC / G=AD / H=BA I=BC / J=BD / K=CA / L=CB M=CD / N=DA / O=DB / P=DC			
6	軸心/ROD	標準	Ø16		Ø20
7	緩衝/CUSHION	A:標準緩衝 N:沒有 A: with cushion inside N: No symbol			
8	行程/STROKE	填入需要之衝程 Max Permissible stroke			
備註:本系列鋁合金管訂製最大衝程為1000mm,預訂製衝程超過最大值時,請考量活塞側向支撐力與強度,建議需補強氣壓缸機構,增加產品壽命,如有其他考量請參閱技術資料或敬請與我們相關人員洽詢					
缸體 固定方式 BORE ACCESSORY	名稱 DESCRIPTION	記號 SYMBOL	略圖 CONFIGURATION		名稱 DESCRIPTION
	前蓋矩形法蘭 Rectangular flange at cylinder head	<b>FA</b>			前後端凸耳形 Foot mounting side end angles
		<b>LB</b>			
備註:缸體固定如有其它方式可繪製圖面或與我們營業人員洽詢 Note: If the cylinder is fixed in other ways, you can draw a sketch or contact our sales staff					

**圓型氣缸特性資料**

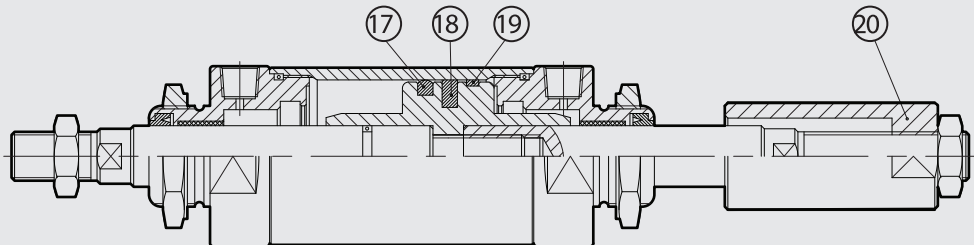
10	軸心用配件 ROD ACCESSORY	名稱 DESCRIPTION	記號 SYMBOL	略圖 CONFIGURATION	名稱 DESCRIPTION	記號 SYMBOL	略圖 CONFIGURATION
		Y型接頭 Rod Clevis	<b>IY</b>		Y型接頭附插銷 Rod Clevis With Pin	<b>IYP</b>	
		I型接頭 I Rod end mounting	<b>II</b>		浮動接頭 Compensating Joint	<b>KG</b>	
		魚眼接頭 Oscillating Eye	<b>PH</b>		T型接頭 T Rod end mounting	<b>MT</b>	
		焊接接頭 H Rod end mounting	<b>MH</b>		可調螺帽 Adjustable nut	<b>AST</b>	
備註：軸心固定如有其它方式,可繪製草圖或與我們營業人員洽詢 Note: If the axis is fixed in other ways, you can draw a sketch or contact our sales staff							
11	雙軸可調行程	填入需要的可調行程 <b>AST</b> □□□ mm		無記號:沒有 / NO Symbol Adjustable Stroke			
12	近接開關 SENSOR SWITCH	無記號:無裝置(標準型)/B:兩端近接開關/X:近接在前/Y:近接在後/T:近接*3/U:近接*4 N:NO symbol /B:Double side sensor switch/X:Rod-cover side sensor switch/ Y:Cap-cover side sensor switch/T:sensor switch*3/U:sensor switch*4					

**圓型氣缸結構圖**  
**Inside Structure and Parts List**

**MRB**



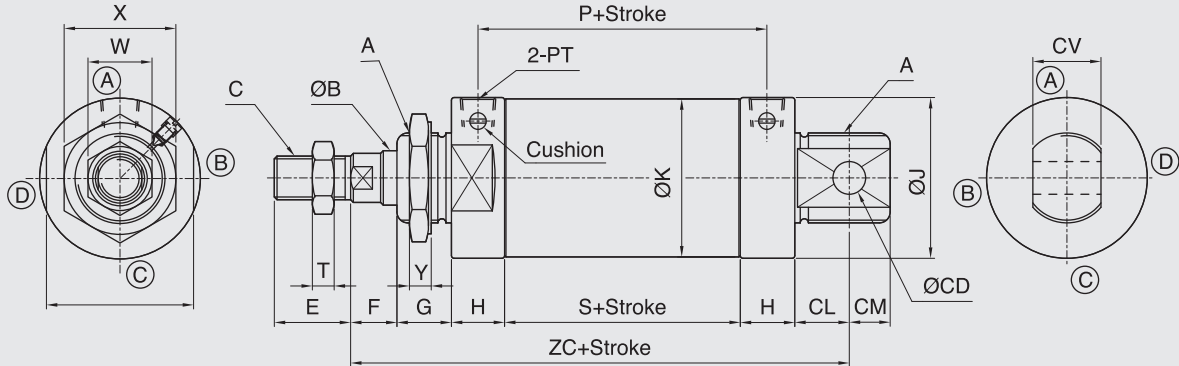
**MRDR**



NO	零件名 Part mane	數量 Quantity	NO	零件名 Part mane	數量 Quantity	NO	零件名 Part mane	數量 Quantity
1	活塞桿 Piston rod	1	8	緩衝針 Cushion needle	1	15	螺帽 Nut	1
2	軸用封環 Rod packing	1	9	O型環 Gasket	1	16	後蓋 End cover	1
3	乾式軸承 Oilless bearing	1	10	軸心螺帽 Rod nut	1	17	橡膠活塞環 Piston packing	1
4	緩衝橡皮 Cushion packing	2	11	前蓋螺帽 Cover nut	1	18	磁石 Magnet	1
5	O型環 Gasket	2	12	前蓋 Rod cover	1	19	耐磨環 Wearing ring	1
6	橡膠活塞環 Piston packing	2	13	氣缸本體 Cylinder tube	1	20	可調螺帽 Foward nut	1
7	O型環 Gasket	1	14	活塞本體 Piston	1			

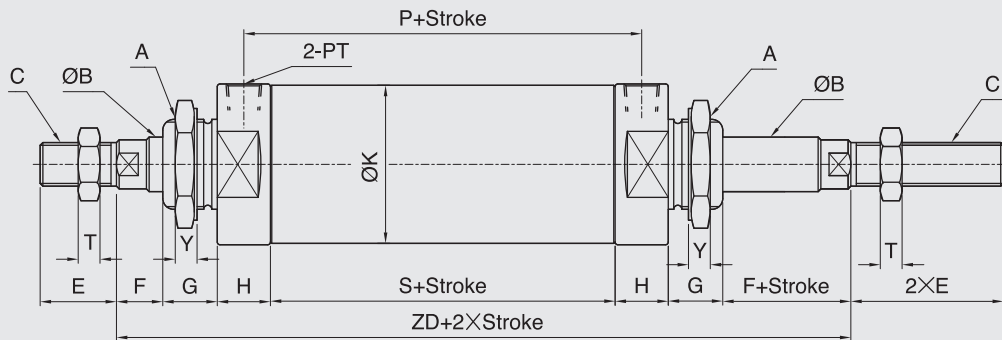
## 圓型氣缸CA型, 雙軸型尺寸圖 MR Converter CA Dimensional Features(0.99Mpa)

### MRC MR+C(標準型) TYPE

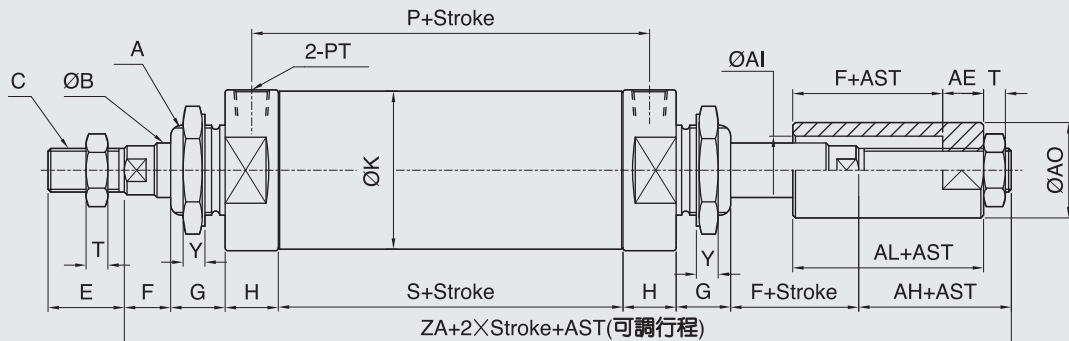


BORE	SIZE	MRC TYPE														CA TYPE						
		A	B	C	E	F	G	H	ØJ	ØK	P	PM	PT	T	W	S	X	Y	ZC	ØCD	CL	CM
Ø40	M33XP2.0	16	M14XP1.5	28	12	20	20	48	47	76	30	PT1/4	8	22	56	41	8	146	Ø10	18	12	20
Ø50	M33XP2.0	20	M16XP1.5	28	17	20	20	59	58	76	30	PT1/4	8	23.5	56	41	8	153	Ø12	20	15	25
Ø63	M40XP2.0	20	M16XP1.5	28	17	25	20	72	71	80	30	PT1/4	8	23.5	60	55	15	162	Ø16	20	15	25

### MRD MR+D(雙軸型) TYPE



### MRD MRD+AST(雙軸型可附調帽) TYPE



BORE	SIZE	MRD -TYPE														A(可調行程) TYPE						
		A	B	C	E	F	G	H	ØJ	ØK	P	PM	PT	T	S	Y	ZA	ZD	AH	AE	ØAI	ØAO
Ø40	M33XP2.0	16	M14XP1.5	28	12	20	20	48	47	76	30	PT1/4	8	56	8	185	160	25	15	20	30	27
Ø50	M33XP2.0	20	M16XP1.5	28	17	20	20	59	58	76	30	PT1/4	8	56	8	195	170	25	15	25	35	32
Ø63	M40XP2.0	20	M16XP1.5	28	17	25	20	72	71	80	30	PT1/4	8	60	15	209	184	25	15	25	35	32

#### 備註:

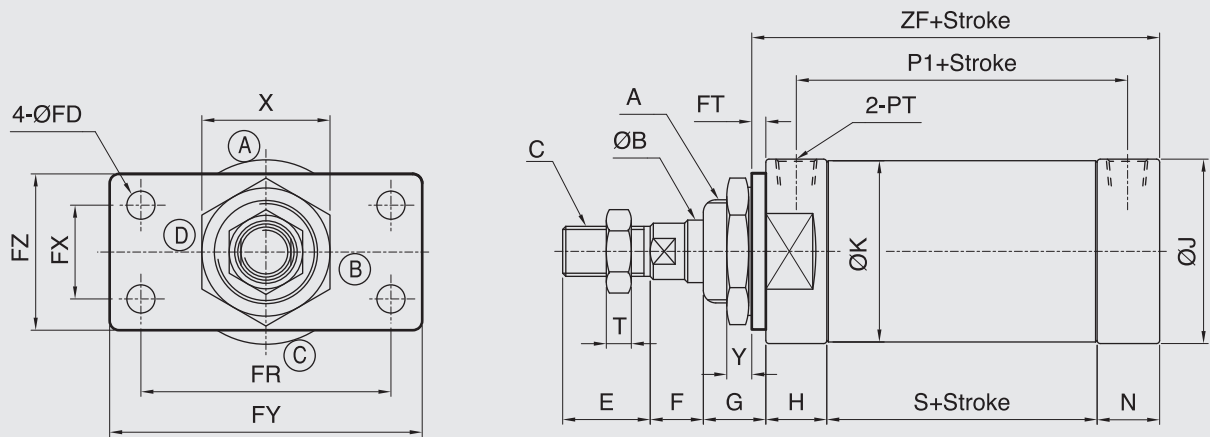
- 1.本系列行程超過1500mm(含)以上時,活塞(PM)長度須加倍長(尺寸P,S, ZA,ZC,ZD須再加PM尺寸長度乙次)。
- 2.AST 為客戶指定之可調行程。
- 3.本系列MR50,MR63行程500mm(含)以上,軸心牙加大為M18XP1.5。

- 1.The series stroke exceed (includes) 1500mm, should redouble length (PM) of piston. (Add twice length PM of size:P,S,ZA,ZC,ZD).
- 2.AST:Adjustable stroke by customer assignment.
- 3.MR50, MR63 stroke exceed (include) 500mm, axletree broaden be M18xP1.5.

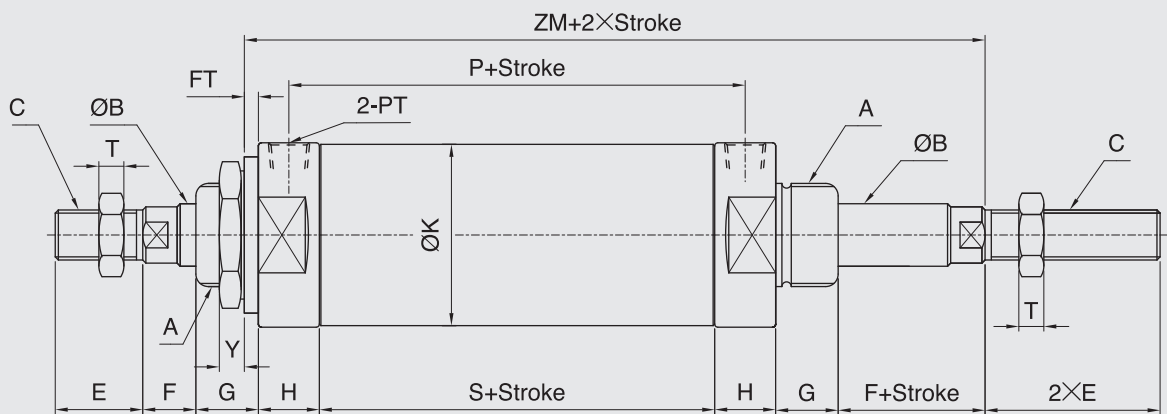
# MR-FA Series

## 圓型氣缸FA板尺寸圖 MR Series FA Dimensional Features(0.99Mpa)

### MRA MRA(後平)+FA TYPE



### MRD MRD+FA TYPE



		MRA-MRD TYPE															FA TYPE										
BORE	SIZE	A	B	C	E	F	G	H	N	ØJ	ØK	P	P1	PM	PT	T	S	X	Y	ZF	ZM	ØFD	FT	FR	FX	FY	FZ
Ø40	M33XP2.0	16	M14XP1.5	28	12	20	20	23	48	47	76	77.5	30	PT1/4	8	56	41	8	103.5	132.5	9	4.5	80	30	100	50	
Ø50	M33XP2.0	20	M16XP1.5	28	17	20	20	23	59	58	76	77.5	30	PT1/4	8	56	41	8	103.5	137.5	9	4.5	80	30	100	50	
Ø63	M40XP2.0	20	M16XP1.5	28	17	25	20	23	72	71	80	81.5	30	PT1/4	8	60	55	15	114	153	12	11	93	50	115	72	

備註:

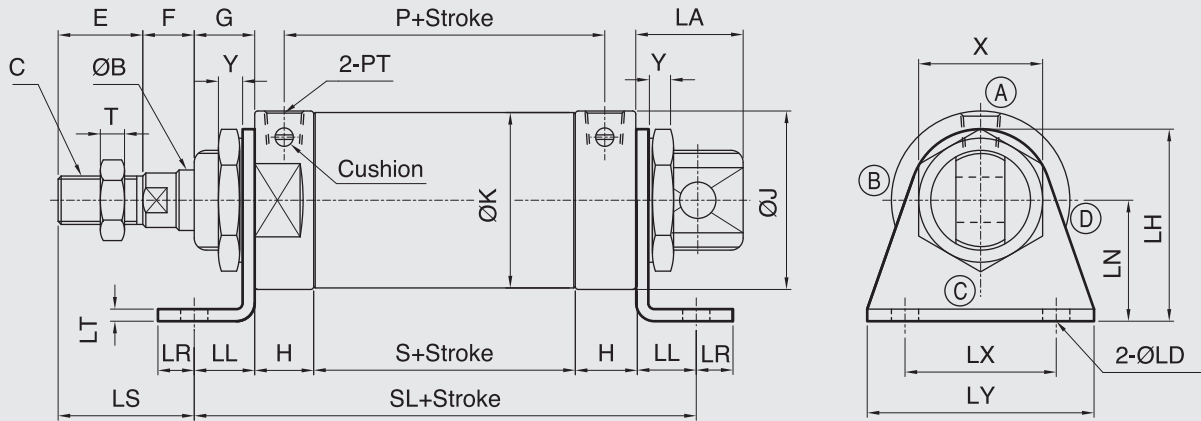
- 1.本系列行程超過1500mm(含)以上時,活塞(PM)長度須加倍長(尺寸P,S,ZF,ZM須再加PM尺寸長度乙次)。
- 2.本系列MR50,MR63行程500mm(含)以上,軸心牙加大為M18XP1.5。

- 1.The series stroke exceed (includes) 1500mm, should redouble length (PM) of piston. (Add twice length PM of size:P,S,ZF,ZM).
- 2.MR50, MR63 stroke exceed (include) 500mm, axletree broaden be M18xP1.5.

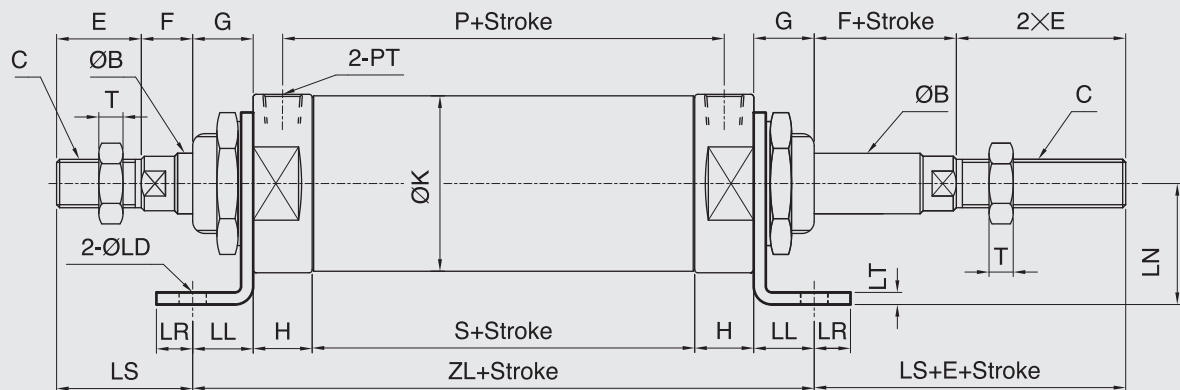
### 圓型氣缸LB架尺寸圖

MR Converter LB Dimensional Features(0.99Mpa)

## MRC MRC+LB(架) TYPE



## MRD MRD+LB(架) TYPE



BORE	SIZE	MRC-MRD TYPE														LB TYPE									
		B	C	E	F	G	H	ØJ	ØK	LS	P	PM	PT	T	S	X	Y	ZL	ØLD	LH	LN	LL	LR	LT	LX
Ø40	16	M14XP1.5	28	12	20	20	48	47	40	76	30	PT1/4	8	56	41	8	136	9	64	40	20	10	4.5	50	75
Ø50	20	M16XP1.5	28	17	20	20	59	58	45	76	30	PT1/4	8	56	41	8	136	9	64	40	20	10	4.5	50	75
Ø63	20	M16XP1.5	28	17	25	20	72	71	25	80	30	PT1/4	8	60	55	15	190	12	75	47	45	30	9	60	88

#### 備註：

- 1.本系列行程超過1500mm(含)以上時,活塞(PM)長度須加倍長(尺寸P,S,ZL須再加PM尺寸長度乙次)。
- 2.本系列MR50,MR63行程500mm(含)以上,軸心牙加大為M18XP1.5。

- 1.The series stroke exceed (includes) 1500mm, should redouble length (PM) of piston. (Add twice length PM of size:P,S,ZL).
- 2.MR50, MR63 stroke exceed (include) 500mm, axletree broaden be M18xP1.5.