

產品特性

1. 新設計，通用性高。
2. 依使用條件可選擇不同種類油封，方便在不同環境選用。
3. 內徑 $\phi 40 \sim \phi 200$ ，十一種固定型式可供選擇，方便設計時選購使用。
4. 特殊安裝型式、規格，歡迎與本公司聯絡。

Features

1. New design model.
2. Adapt different seal version according operating condition.
3. Bore diameter from $\phi 40$ to $\phi 200$, eleven mounting style to meet design needs.
4. Special design or customized requirements are available. Contact HOWON for information.



功能規格

Specifications

	XHC	XHD	GXHC	GXHD
系列代號 Series Code	單軸復動標準型油缸 Single rod, double acting, standard type hydraulic cylinder	雙軸復動標準型油缸 Double rod, double acting, standard type hydraulic cylinder	單軸復動感應型油缸 Single rod, double acting, sensing type hydraulic cylinder	雙軸復動感應型油缸 Double rod, double acting, sensing type hydraulic cylinder
固定型式 Mounting Type	SD , FA , FB , CA , CB , CY , CZ , TA , TC , LA , LB			
內徑範圍 Bore Diameters (mm)	φ40,φ50,φ63,φ80,φ100, φ125, φ150,180,φ200		φ40,φ50,φ63,φ80,φ100,φ125	
使用壓力 Operating Pressure	14 MPa (142.8 kg/cm ²)			
測試壓力 Test Pressure	21 MPa (214.1 kg/cm ²)			
最低啓動壓力 Starting Pressure	< 0.3 MPa (3.1 kg/cm ²)			
緩衝裝置 Cushioning Device	無 (若需加裝緩衝裝置請電洽本公司) None (Available upon request. Contact HOWON for info.)			
使用流體 Recommended Fluid	一般礦物油 (特殊流體請電洽本公司) Mineral Base Oil (Consult HOWON when other fluid is required)			
磁黃開關 Proximity Sensor	NA		SD-21R	

標準行程製作範圍 Stroke fabrication range

UNIT : mm

內徑 Bore	標準型 Standard Type	感應型 Sensing Type
$\phi 40, \phi 50$	~ 1200	~ 1200
$\phi 63, \phi 80, \phi 100$	~ 1400	~ 1400
$\phi 125, \phi 150, 180, \phi 200$	~ 1600	NA

- 上述行程為標準品之最大製作行程範圍。
The above strokes indicate the maximum available strokes for the standard type.
- 因考量長行程時活塞桿的挫曲狀況與安裝使用條件，當所需油壓缸行程大於上表時，請與我們聯繫
Considering rod buckling, operating condition and mounting situation, if you request the strokes longer than in the table above, please contact to us.

產品體系

Lines

Unit : mm

構造 Structure		固定方式 Mounting	Φ40	Φ50	Φ63	Φ80	Φ100	Φ125	Φ150	Φ180	Φ200
標準型 Standard Type	單軸復動 Single Rod Double Acting	SD,FA,FB,TC,LA LB,CA,CB,CY,CZ	●	●	●	●	●	●	●	●	●
		TA	●	●	●	●	●	●	●	○	○
	雙軸復動 Double Rod Double Acting	SD,FA,FB TC,LA,LB	●	●	●	●	●	●	●	●	●
		TA	●	●	●	●	●	●	●	○	○
感應型 Sensing Type	單軸復動 Single Rod Double Acting	SD,FA,FB,TC,LA LB,CA,CB,CY,CZ	●	●	●	●	●	○			
		TA	●	●	●	●	●	○			
	雙軸復動 Double Rod Double Acting	SD,FA,FB TC,LALB	●	●	●	●	●	○			
		TA	●	●	●	●	●	○			

● : 標準製作範圍 Standard Model

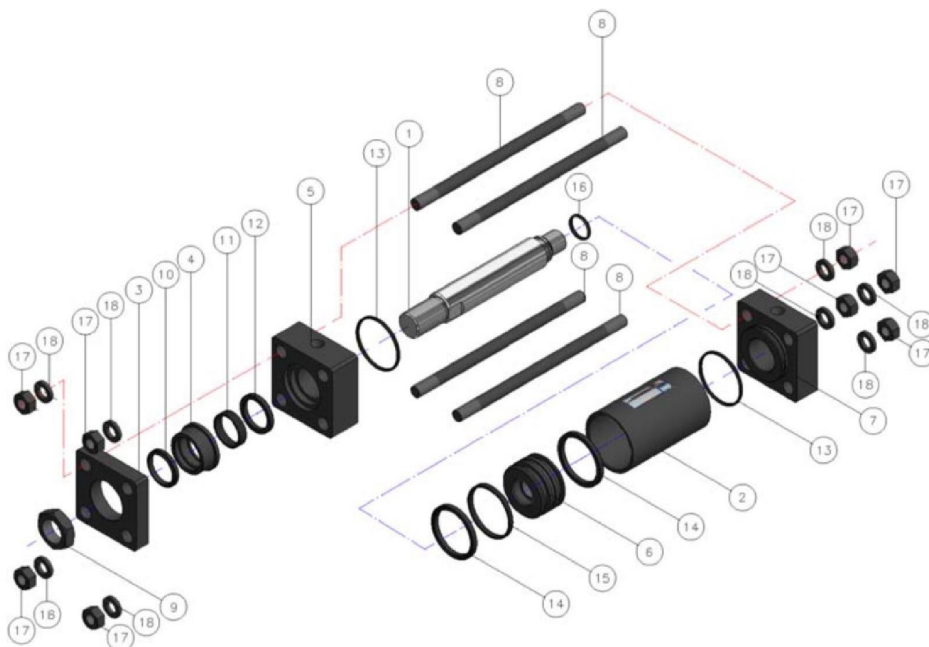
○ : 客戶訂製範圍 Available Upon Request

標準型 Standard Type		感應型 Sensing Type	
			
單軸復動 Single Rod Double Acting		雙軸復動 Double Rod Double Acting	
			
單軸復動 Single Rod Double Acting		雙軸復動 Double Rod Double Acting	

內部結構圖

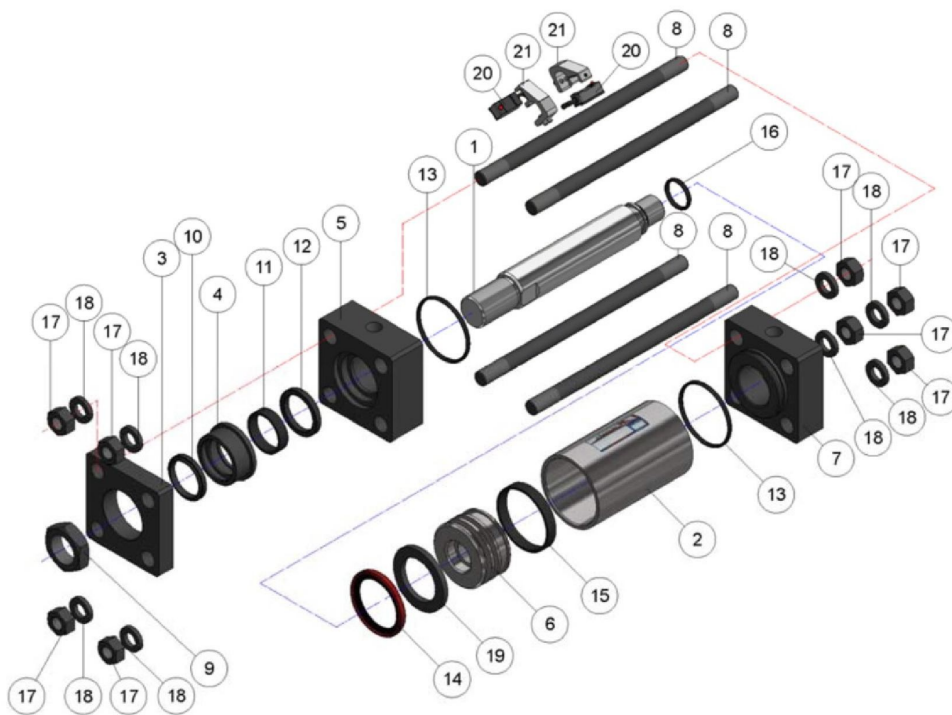
Explode Drawing

● 標準型 Standard Type



No.	品名 Description	Q'ty	No.	品名 Description	Q'ty
1	活塞 Piston Rod	1	10	防塵油 Dust Wipper	1
2	缸管 Bore	1	11	耐磨片 Wear Ring	1
3	前蓋板 Cover Plate	1	12	軸用油封 Rod Seal	1
4	軸套 Bush	1	13	O 形環 O-Ring	13
5	前蓋 Rod Cover	1	14	活塞油封 Piston Seal	14
6	活塞 Piston	1	15	耐磨片 Wear Ring	15
7	後蓋 Rear Cover	1	16	O 形環 O-Ring	1
8	固定柱 Tie Rod	4	17	螺帽 Nut	8
9	軸帽 Nut	1	18	彈簧墊圈 Spring Washer	8

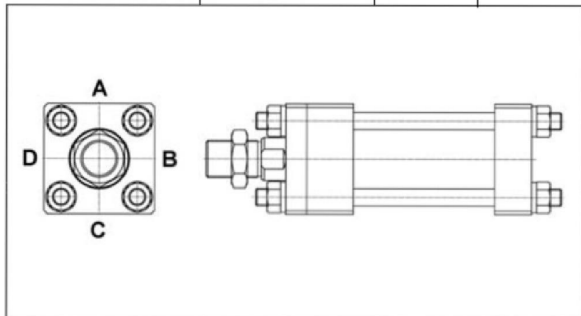
● 感應型 Sensing Type



No.	品名 Description	Q'ty	No.	品名 Description	Q'ty
1	活塞 Piston Rod	1	12	軸用油封 Rod Seal	1
2	缸管 Bore	1	13	O 形環 O-Ring	13
3	前蓋板 Cover Plate	1	14	活塞油封 Piston Seal	14
4	軸套 Bush	1	15	耐磨片 Wear Ring	15
5	前蓋 Rod Cover	1	16	O 形環 O-Ring	1
6	活塞 Piston	1	17	螺帽 Nut	8
7	後蓋 Rear Cover	1	18	彈簧墊圈 Spring Washer	8
8	固定柱 Tie Rod	4	19	磁石 Magnet	1
9	軸帽 Nut	1	20	磁簧開關 Proximity Sensor	2
10	防塵油 Dust Wipper	1	21	開關固定架 Sensor Clamper	2
11	耐磨片 Wear Ring	1			

訂購規格代號

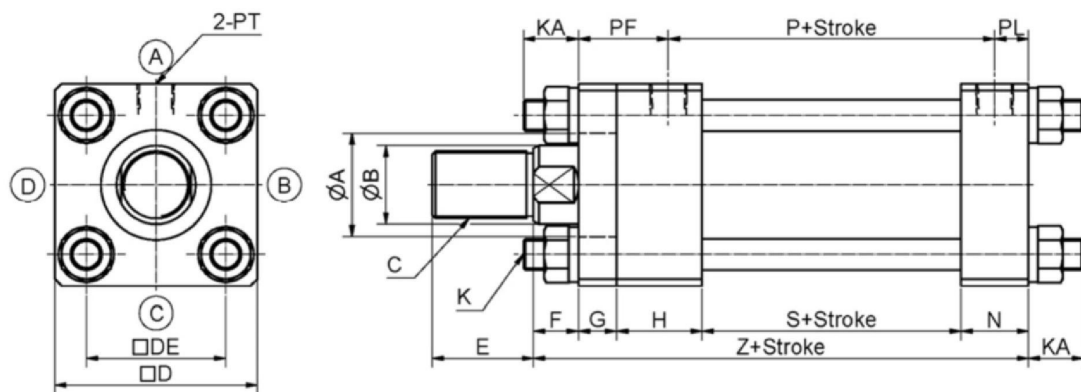
Ordering Code

XHC	SD	080 - 0600	N	A	X	X	14	A	+	Y
系列代號 Series	固定型式 Mounting	內徑 Bore	行程 Stroke				使用壓力 Operating pressure	油封型式 Seal Version		配件 Accessories
一般單軸 Single Rod Normal Type  XHC	 SD	040 050 063 080 100 125 150 180 200	依實際行程輸入 The stroke of cylinder Ex. 0050-50mm 0100-100mm 1500-1500mm				07-7MPa 14-14MPa	A-NBR B-VITON C-PU D-低磨擦油封 Low friction seal E-低磨擦耐熱油封 Low friction- Viton seal		 Y
一般雙軸 Double Rod Normal Type  XHD	 FA		緩衝型式 Cushion Version N-無緩衝 W/O Cushion B-前後蓋緩衝 Rod and Rear End R-前蓋緩衝 Rod End H-後蓋緩衝 Rear End				止回閥位置 Check valve position A,B,C,D - 詳見下圖 As below X-無緩衝或緩衝不調整 W/O cushion or static cushion W/O adjusting			 I
感應單軸 Single Rod Sensing Type  GXHC	 FB			油口位置 Connection port position A,B,C,D - 詳見下圖 As below			緩衝調整位置 Cushion valve position A,B,C,D - 詳見下圖 As below X-無緩衝或緩衝不調整 W/O cushion or static cushion W/O adjusting			 T
感應雙軸 Double Rod Sensing Type  GXHD	 TA									 H
	 TC									
	 LA	 CB(焊板)								 KG
	 LB	 CY(焊後蓋)								 BT
	 CA(焊板)	 CZ(焊後蓋)								 ADJ

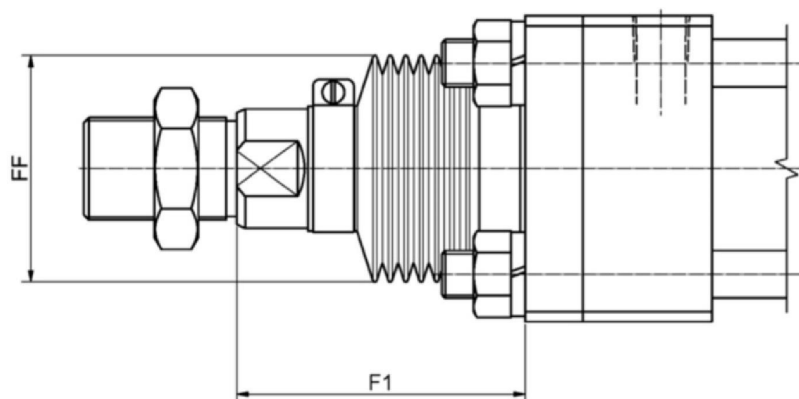
外觀尺寸圖

Dimensions Tables

● XHCSD□□□-□□□□



● XHCSD□□□-□□□□+BT



材質(Material):NBR

缸徑(BORE)	F1
Φ40, Φ50	1/3.5 Stroke+Z1
Φ63~Φ100	1/4 Stroke+Z1
Φ125~Φ200	1/5 Stroke+Z1

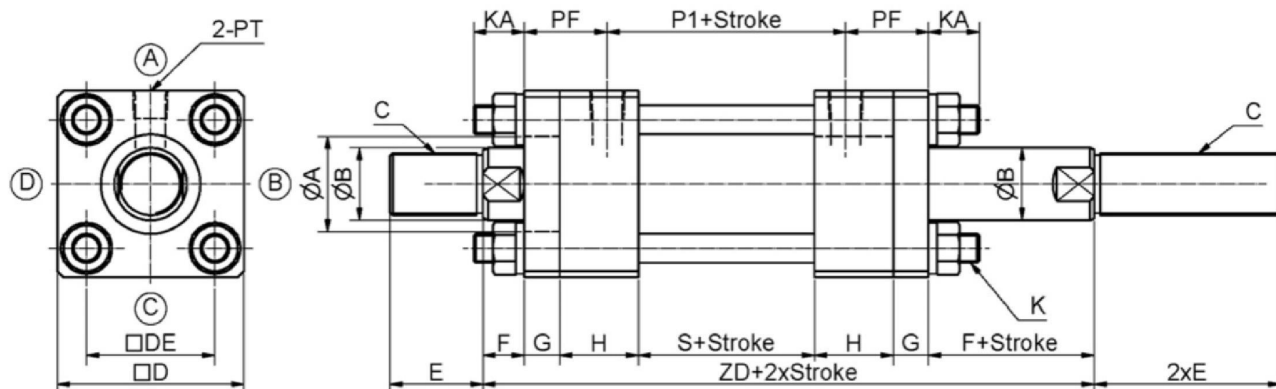
UNIT : mm

記號 Symbol 內徑 Bore	A	B	C	D	DE	E	F	FF	G	H	K	KA	N	P	PF	PL	PT	S	Z	Z1
Φ40	38	25	M22xP1.5	65	45	40	20	45	17	33	M10x1.25	20.5	28	76	37	15	3/8"	50	148	50
Φ50	43	30	M26xP1.5	80	56	40	20	65	17	38	M12x1.5	23	30	85	40	15	3/8"	55	160	50
Φ63	48	35	M30xP1.5	90	62	45	20	65	17	38	M14x1.5	24.5	30	85	40	15	3/8"	55	160	60
Φ80	54	40	M30xP1.5	110	80	45	20	75	20	38	M16x1.5	27	35	107	42	19	1/2"	75	188	60
Φ100	65	50	M40xP2.0	131	95	55	25	95	20	41	M18x1.5	29.5	37	123.5	44.5	20	1/2"	90	213	65
Φ125	76	60	M50xP2.0	162	122	70	35	120	30	57	M22x1.5	33.5	47	143	65.5	25.5	3/4"	100	269	85
Φ150	96	80	M70xP2.0	195	144	80	35	125	30	60	1"-8 UNC	40	50	135	67.5	27.5	3/4"	90	265	85
Φ180	120	100	M90xP2.0	235	175	100	35	160	40	65	1,1/4"-8 UNC	50	55	172	79	29	1"	120	315	85
Φ200	120	100	M90xP2.0	262	193	100	40	160	40	65	1,1/4"-8 UNC	50	60	175	77.5	32.5	1"	120	325	90

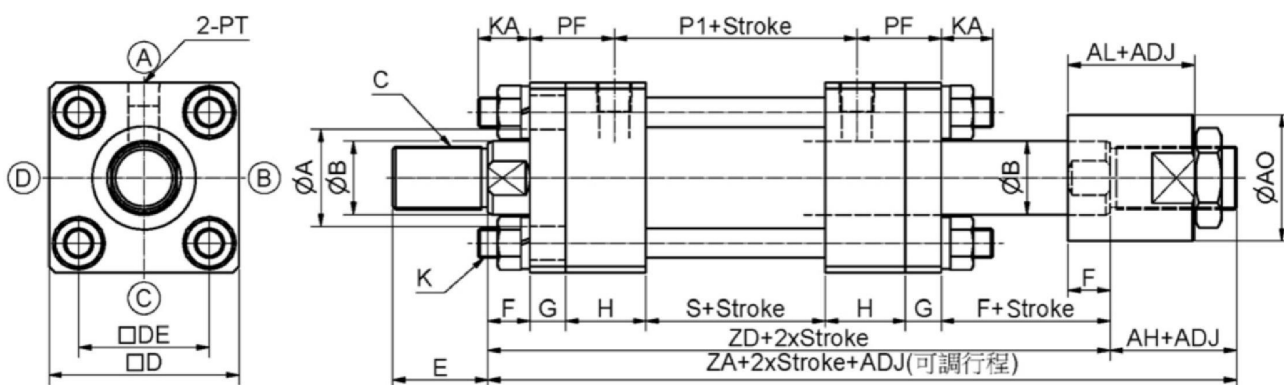
外觀尺寸圖

Dimensions Tables

● XHDSD□□□-□□□□



● XHDSD□□□-□□□□+ADJ□□□



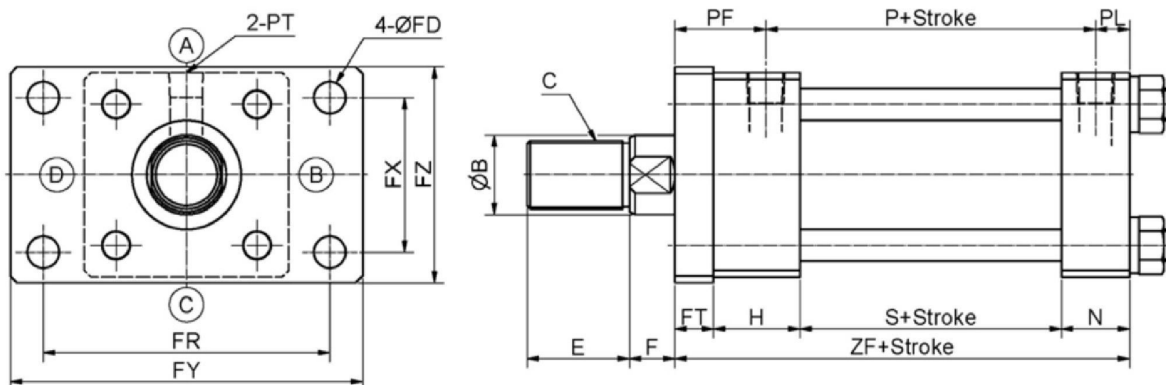
UNIT : mm

記號 Symbol Bore	A	AH	AL	AO	B	C	D	DE	E	F	G	H	K	KA	P1	PF	PT	S	ZA	ZD
Φ40	38	35	40	45	25	M22xP1.5	65	45	40	20	17	33	M10x1.25	20.5	74	37	3/8"	50	225	190
Φ50	43	40	45	55	30	M26xP1.5	80	56	40	20	17	38	M12x1.5	23	85	40	3/8"	55	245	205
Φ63	48	40	45	60	35	M30xP1.5	90	62	45	20	17	38	M14x1.5	24.5	85	40	3/8"	55	245	205
Φ80	54	45	50	70	40	M30xP1.5	110	80	45	20	20	38	M16x1.5	27	105	42	1/2"	75	276	231
Φ100	65	45	55	90	50	M40xP2.0	131	95	55	25	20	41	M18x1.5	29.5	120	44.5	1/2"	90	307	262
Φ125	76	50	70	100	60	M50xP2.0	162	122	70	35	30	57	M22x1.5	33.5	140	65.5	3/4"	100	394	344
Φ150	96	60	75	120	80	M70xP2.0	195	144	80	35	30	60	1"-8 UNC	40	130	67.5	3/4"	90	400	340
Φ180	120	65	75	150	100	M90xP2.0	235	175	100	35	40	65	1,1/4"-8 UNC	50	170	79	1"	120	465	400
Φ200	120	65	80	150	100	M90xP2.0	262	193	100	40	40	65	1,1/4"-8 UNC	50	170	77.5	1"	120	475	410

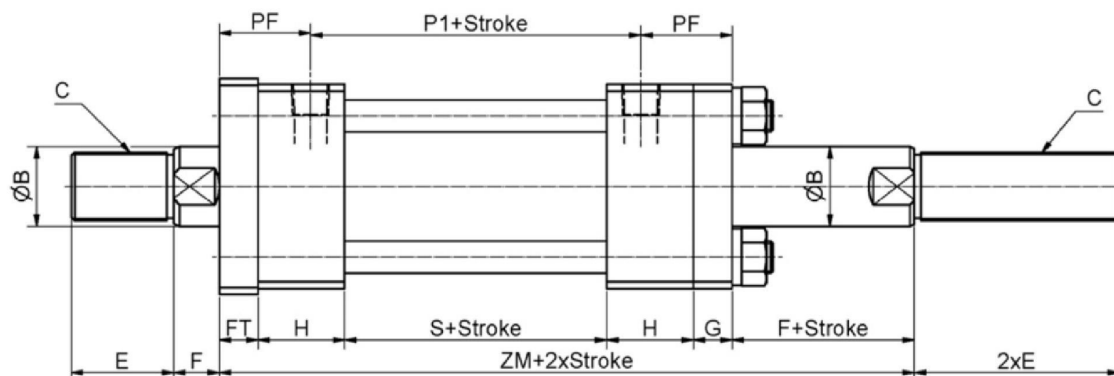
外觀尺寸圖

Dimensions Tables

● XHCFA □□□-□□□□



● XHDF A □□□-□□□□



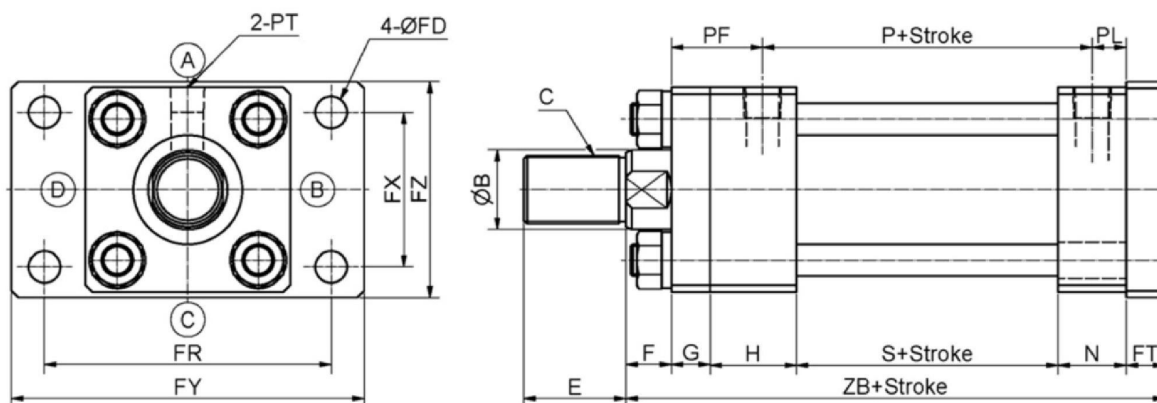
UNIT : mm

記號 Symbol Bore	B	C	E	F	FD	FT	FR	FX	FY	FZ	G	H	N	P	P1	PF	PL	PT	S	ZF	ZM
Φ40	25	M22xP1.5	40	20	12	17	93	50	115	75	17	33	28	76	74	37	15	3/8"	50	128	170
Φ50	30	M26xP1.5	40	20	14	17	110	56	150	85	17	38	30	85	85	40	15	3/8"	55	140	185
Φ63	35	M30xP1.5	45	20	14	17	126	68	155	95	17	38	30	85	85	40	15	3/8"	55	140	185
Φ80	40	M30xP1.5	45	20	18	20	152	75	190	120	20	38	35	107	105	42	19	1/2"	75	168	211
Φ100	50	M40xP2.0	55	25	20	20	180	100	220	140	20	41	37	123.5	120	44.5	20	1/2"	90	188	237
Φ125	60	M50xP2.0	70	35	24	30	222	122	280	170	30	57	47	143	140	65.5	25.5	3/4"	100	234	309
Φ150	80	M70xP2.0	80	35	28	30	260	155	310	206	30	60	50	135	130	67.5	27.5	3/4"	90	230	305
Φ180	100	M90xP2.0	100	35	35	40	315	188	375	250	40	65	55	172	170	79	29	1"	120	280	365
Φ200	100	M90xP2.0	100	40	35	40	355	207	425	272	40	65	60	175	170	77.5	32.5	1"	120	285	370

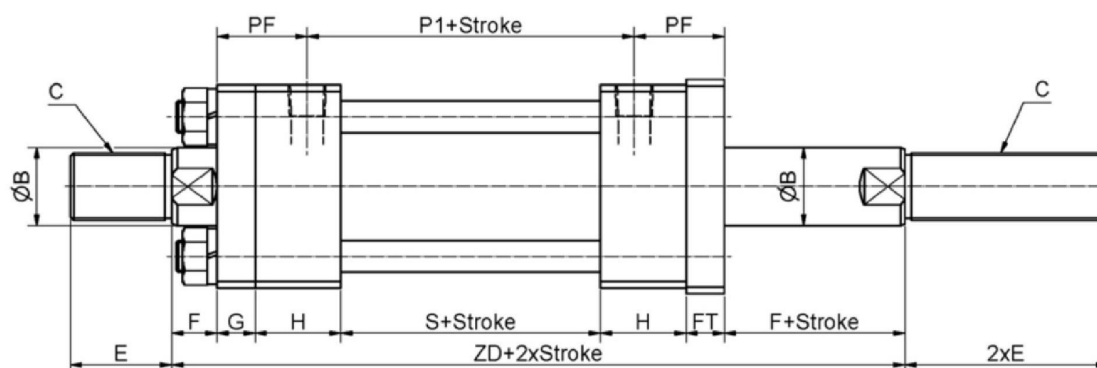
外觀尺寸圖

Dimensions Tables

● XHCFB □□□-□□□□



● XHDFB □□□-□□□□



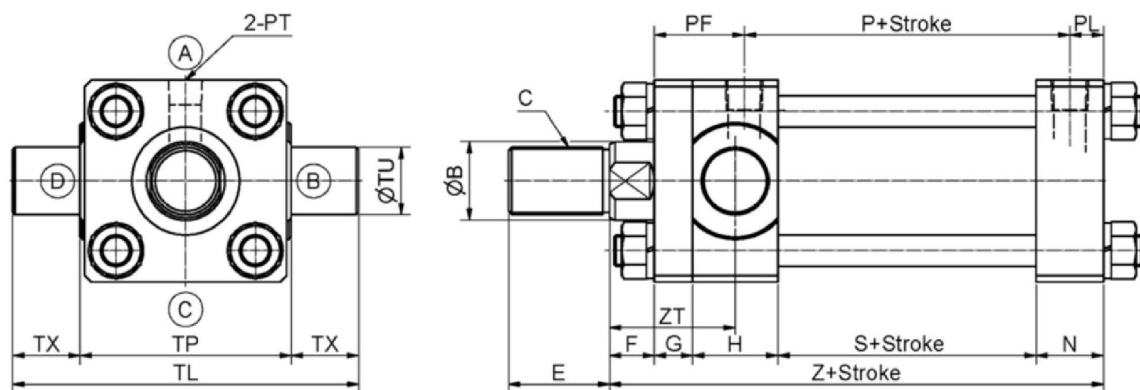
UNIT : mm

記號 Symbol Bore	B	C	E	F	FD	FT	FR	FX	FY	FZ	G	H	N	P	P1	PF	PL	PT	S	ZB	ZD
Φ40	25	M22xP1.5	40	20	12	17	93	50	115	75	17	33	28	76	74	37	15	3/8"	50	165	190
Φ50	30	M26xP1.5	40	20	14	17	110	56	150	85	17	38	30	85	85	40	15	3/8"	55	177	205
Φ63	35	M30xP1.5	45	20	14	17	126	68	155	95	17	38	30	85	85	40	15	3/8"	55	177	205
Φ80	40	M30xP1.5	45	20	18	20	152	75	190	120	20	38	35	107	105	42	19	1/2"	75	208	231
Φ100	50	M40xP2.0	55	25	20	20	180	100	220	140	20	41	37	123.5	120	44.5	20	1/2"	90	233	262
Φ125	60	M50xP2.0	70	35	24	30	222	122	280	170	30	57	47	143	140	65.5	25.5	3/4"	100	299	344
Φ150	80	M70xP2.0	80	35	28	30	260	155	310	206	30	60	50	135	130	67.5	27.5	3/4"	90	295	340
Φ180	100	M90xP2.0	100	35	35	40	315	188	375	250	40	65	55	172	170	79	29	1"	120	355	400
Φ200	100	M90xP2.0	100	40	35	40	355	207	425	272	40	65	60	175	170	77.5	32.5	1"	120	365	410

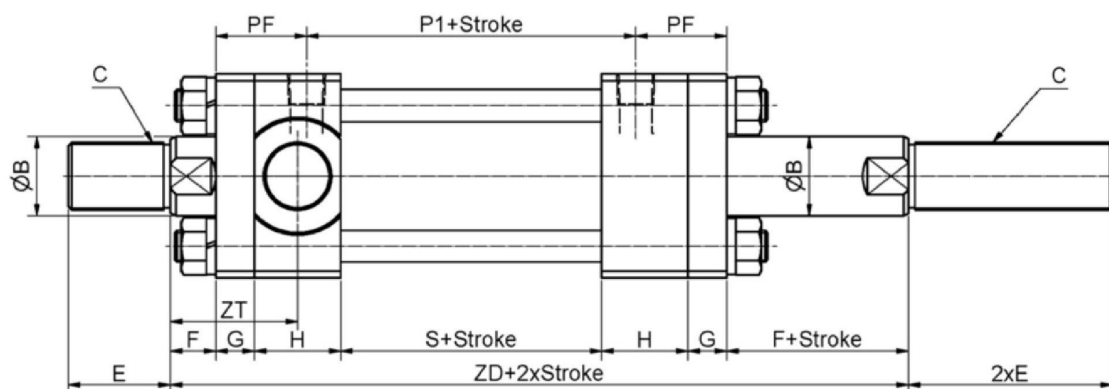
外觀尺寸圖

Dimensions Tables

● XHCTA□□□-□□□□



● XHDTA□□□-□□□□



UNIT : mm

記號 Symbol Bore	B	C	E	F	G	H	N	P	P1	PF	PL	PT	TL	TP	TU	TX	S	Z	ZT	ZD
Φ40	25	M22xP1.5	40	20	17	33	28	76	74	37	15	3/8"	109	69	20	20	50	148	53.5	190
Φ50	30	M26xP1.5	40	20	17	38	30	85	85	40	15	3/8"	134	84	25	25	55	160	56	205
Φ63	35	M30xP1.5	45	20	17	38	30	85	85	40	15	3/8"	154	94	32	30	55	160	56	205
Φ80	40	M30xP1.5	45	20	20	38	35	107	105	42	19	1/2"	174	114	32	30	75	188	59	231
Φ100	50	M40xP2.0	55	25	20	41	37	123.5	120	44.5	20	1/2"	205	135	35	35	90	213	65.5	262
Φ125	60	M50xP2.0	70	35	30	57	47	143	140	65.5	25.5	3/4"	258	168	45	45	100	269	93.5	344
Φ150	80	M70xP2.0	80	35	30	60	50	135	130	67.5	27.5	3/4"	300	200	50	50	90	265	95	340

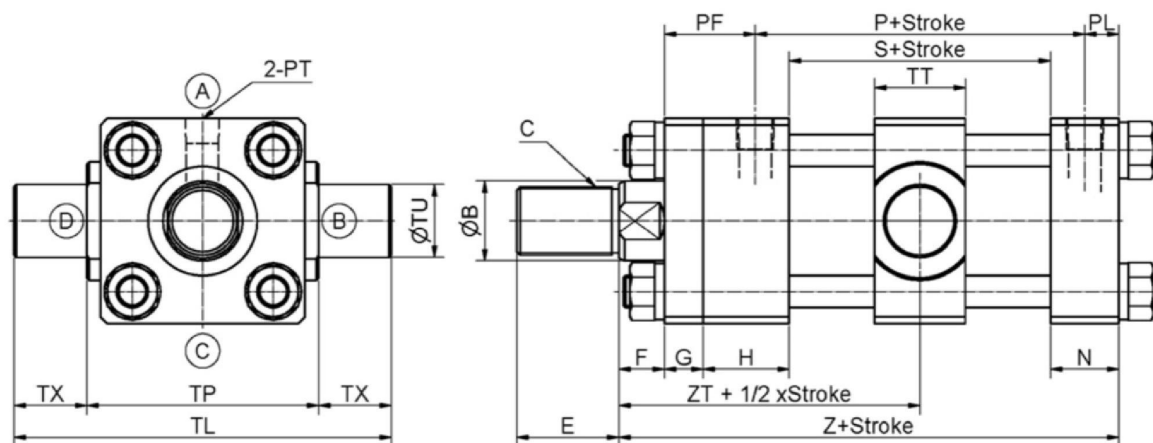
附註：

- Φ180 及 Φ200 請洽詢本公司。
Please consult HOWON for bore Φ180 and Φ200.

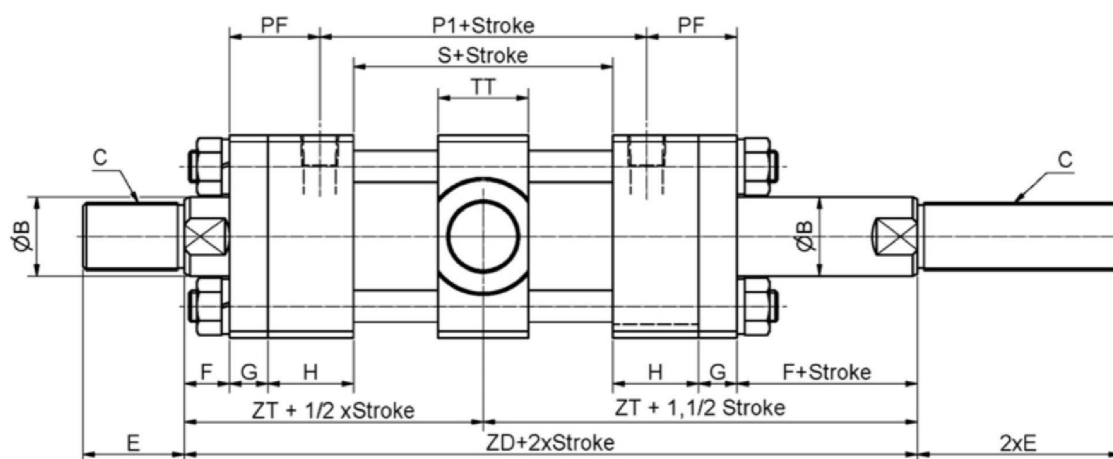
外觀尺寸圖

Dimensions Tables

● XHCTC□□□-□□□□



● XHDTC□□□-□□□□



UNIT : mm

記號 Symbol Bore	B	C	E	F	G	H	N	P	P1	PF	PL	PT	TL	TP	TT	TU	TX	S	Z	ZT	ZD
Φ40	25	M22xP1.5	40	20	17	33	28	76	74	37	15	3/8"	115	75	28	20	20	50	148	95	190
Φ50	30	M26xP1.5	40	20	17	38	30	85	85	40	15	3/8"	140	90	33	25	25	55	160	102.5	205
Φ63	35	M30xP1.5	45	20	17	38	30	85	85	40	15	3/8"	166	102	40	32	32	55	160	102.5	205
Φ80	40	M30xP1.5	45	20	20	38	35	107	105	42	19	1/2"	184	120	43	32	32	75	188	115.5	231
Φ100	50	M40xP2.0	55	25	20	41	37	123.5	120	44.5	20	1/2"	220	140	53	40	40	90	213	131	262
Φ125	60	M50xP2.0	70	35	30	57	47	143	140	65.5	25.5	3/4"	275	175	58	50	50	100	269	172	344
Φ150	80	M70xP2.0	80	35	30	60	50	135	130	67.5	27.5	3/4"	326	206	73	60	60	90	265	170	340
Φ180	100	M90xP2.0	100	35	40	65	55	172	170	79	29	1"	403	243	98	80	80	120	315	200	400
Φ200	100	M90xP2.0	100	40	40	65	60	175	170	77.5	32.5	1"	452	272	108	90	90	120	325	205	410