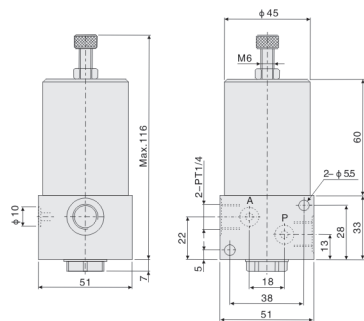
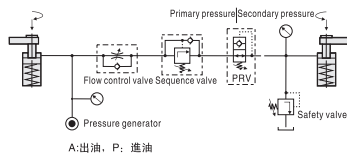
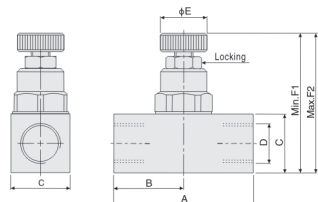




迴路圖 Circuit diagram



HFCV 油壓流量閥 Hydraulic Flow Control Valve



ITEM MODEL	A	B	C	D	φE	F1	F2
HFCV-01	35	19	□15.9	PT1/8	φ12	41	44.5
HFCV-02	45	22.5	□19	PT1/4	φ15	45	48.5

Pmax:500kg/cm²

耐壓力 Operating pressure	500kg/cm ²
壓力調整範圍 Pressure range	5~380kg/cm ²

訂購標示法 Ordering Code

HPRV	M	02	1
1	2	3	4

1	系列別 Series	HPRV	
2	空白 Blank	配管式 Line type	
	M	油路板型 Manifold	
3	型號 Model	02	
4	壓力調整範圍 Pressure range kg/cm ²	1	5-30
		2	10-50
		3	20-120
		4	30-240
		5	50-380

Pmax:210kg/cm²

產品簡介

- ◆此系列產品設計中採用連杆機構,在解除夾持狀態時,壓臂可拉到低於夾持面的位置,減少對工件裝卸的幹涉,因此操作方便,缸體採用一體成型。
- ◆產品動作軌迹非常小,用傳統的轉角缸/杆缸都難以夾持到的部位均可以達到夾持作用,並可以减少周圍機器設備的幹涉,達到節省工作空間的目的。
- ◆產品採用了專用防塵設計,防止了切削屑及冷卻液的滲入,實現了高密封性,因此在比較惡劣的環境下也能使用。

Introduction of product

- ◆ This series of products design with connecting rod structure, at the time of termination holding state, clamping arm can be put lower than holding position, and reduce the interference with loading and unloading operation, solid convenient operation.
- ◆ Clamping arm of product is very flexible, it can holding the part which it is difficult to holding with traditional swing clamp cylinder and lever cylinder. And can reduce the interference of the surrounding equipment, so can save working space.
- ◆ Product with special dustproof desing and high sealing, can prevent the cutting chips and coolant of infiltration. so it can be used in more severe conditions.



特性資料 Specification

油缸內徑Bore of cylinder(mm)	Φ25	Φ32	Φ40	Φ50
活塞杆徑Bore of piston(mm)	Φ14	Φ14	Φ16	Φ20
總行程Total stroke(mm)	34	38	44	50
夾緊程Clamping steoke(mm)	31.5	35.5	41	47
受壓面積推出力 pressure area push(cm ²)	單軸型 4.91	8.14	12.57	19.63
	雙軸型 4.13	6.6	10.57	16.39
使用液體Fluid	已濾清之標準液壓油 Filtered oil			
使用溫度範圍Range of temoeaure(°C)	-10 ~ 70(°C)			
最大耐壓力Max operation pressure(kg/cm ²)	100kg/cm ²			
使用壓力範圍Range of pressure(kg/cm ²)	5 ~ 70kg/cm ²			
夾緊力計算公式	$F = \frac{A \times \text{受壓推出面積} \times \text{供給油壓壓力} P}{\text{活塞杆中心到夾緊點距離} L - \text{壓臂兩孔橫向垂直距離} A}$			



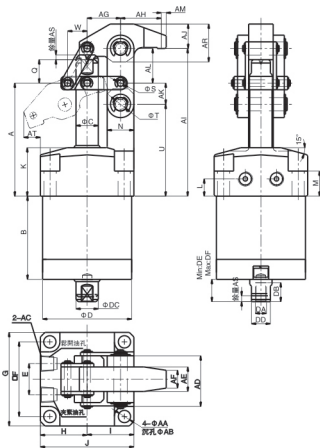
訂購標示法 Ordering Code

HLF5H	--	32	G	D
①		②	③	④

1	系列號 Series	HLF5H
2	油缸內徑 Bore of cylinder	Φ25/Φ32/Φ40/Φ50
3	油口型式 Port type	空白型管式 Blank:line type G:油路板型 G:Manifold type
4	活塞杆型式 Piston rod type	空白單軸 Blank:Single rod type D:雙軸 D:Double rod type

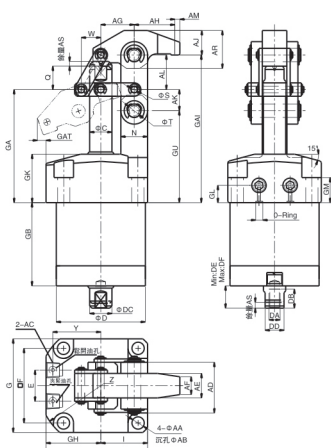
HLF5H連杆油壓缸 (配管式)

HLF5H Connecting rod hydraulic cylinder line type



HLF5H連杆油壓缸(G油路板型)

HLF5HConnecting rod hydraulic cylinder G manifold type



外形尺寸表 Dimension tabl

mm	A	B	C	D	E	F	G	H	I	J	K	L	M
HLF5H-25	70	59.5	14	47	21	40	50	25	50	30.5	11.5	13.5	
HLF5H-32	75	70.5	14	55	21	47	59	29.5	29.5	59	30.5	11.5	15.5
HLF5H-40	89.5	79.5	16	65	25	55	69	34.5	34.5	69	37.5	13.5	20.5
HLF5H-50	101.5	86.5	20	80	28	67	84	42	42	84	43.5	15.5	22.5

mm	N	Q	S	T	U	W	AA	AB	AC	AD	AE	AF	AG
HLF5H-25	12	12	4	6	56.5	13	5.5	9.5	PT1/8	22	12	8	19
HLF5H-32	16	14	5	8	60	13	6.6	11	PT1/8	28	16	12	21.5
HLF5H-40	20	20	6	12	72	16	9	14	PT1/4	36	19	14	24.5
HLF5H-50	24	21	6	12	83	17.5	11	18	PT1/4	42	22	16	30

mm	AH	AJ	AK	AL	AM	AR	AS	AT	DA	DB	DC	DD	DE	DF
HLF5H-25	23	88	13	13.5	18	4	20	2.5	12	M5	10	10	8	13
HLF5H-32	28	95	15	15	20	4	23	2.5	11	M6	12	14	10	12
HLF5H-40	31	117.5	18	17.5	28	4	28	3	18	M8	16	16	13	15
HLF5H-50	37	132.5	22	19	31	4	34	3	15	M10	20	20	17	20

外形尺寸表 Dimension tabl

mm	GA	GB	C	D	E	F	G	GH	I	GL	GK	GL	GM	GN	O
HLF5H-25	70.5	59	14	47	21	40	50	35	25	60	31	12	18	12	12
HLF5H-32	75.5	70	14	55	21	47	59	37.5	29.5	67	31	12	17	16	14
HLF5H-40	90	79	16	65	25	55	69	45.5	34.5	80	36	14	21	20	20
HLF5H-50	102	86	20	80	28	67	84	51	42	93	44	16	23	24	21

mm	S	T	GU	W	[C-R]	Y	Z	AA	AB	AC	AD	AE	AF	AG
HLF5H-25	4	6	57	13	P4	29	39	5.5	9.5	PT1/8	22	12	8	19
HLF5H-32	5	8	60.5	13	P4	32	43	6.6	11	PT1/8	28	16	12	21.5
HLF5H-40	6	10	72.5	16	P4	37	51	9	14	PT1/4	36	19	14	24.5
HLF5H-50	6	12	83	17.5	P5	44	57	11	18	PT1/4	42	22	16	30

mm	AH	GA	AJ	AK	AL	AM	AR	AS	GAT	DA	DB	DC	DD	DE	DF
HLF5H-25	23	88.5	13	13.5	18	4	20	2.5	2	M5	10	10	8	13	47
HLF5H-32	28	95.5	15	15	20	4	23	2.5	3	M6	12	14	10	12	50
HLF5H-40	31	118	18	17.5	28	4	28	3	7	M8	16	16	13	15	59
HLF5H-50	37	133	22	19	31	4	34	3	6	M10	20	20	17	20	67

產品簡介

- ◆此系列產品配件採用最佳化設計,與傳統產品比較夾緊能力提高了。
- ◆產品支撐點部位與缸體採用一體化結構,使體積更加緊實,提高了產品強度。
- ◆產品採用了專用防塵設計,提高了防塵和密封性,實現了高密封性。
- ◆產品法蘭下部採用最小化設計,最適合夾具要求的緊湊化和輕量化。

Introduction of product

- ◆This series product with the optimal design, so the clamping capacity is better than traditional product.
- ◆Product with the integrated structure on support site and cylinder body, so made more impact, and strength can be improved.
- ◆Product with special dustproof design, dustproof and sealing have been improved, so it has high sealing performance.
- ◆Product with lower flange design, more suitable for compact and light fixture.



特性資料 Specification

油缸內徑Bore of cylinder(mm)	Φ22	Φ25	Φ32	Φ40	Φ50	Φ63	Φ70	Φ80
活塞杆徑Bore of piston(mm)	Φ10	Φ12	Φ14	Φ16	Φ20	Φ22	Φ28	Φ35
總行程Total stroke(mm)	18.5	20.5	23.5	26	29.5	35	41	49
夾緊程Clamping steek(mm)	16	17.5	20.5	23	26.5	32	38	46
受壓面積推出pressure area push(cm ²)	3.8	4.91	8.14	12.57	19.63	31.17	38.48	50.26
使用液體Fluid	已濾清之標準液壓油Filtered oil							
使用溫度範圍Range of temoeraure(°C)	-10 ~ 70(° C)							
最大耐壓力Max operation pressure(kg/cm ²)	100kg/cm ²							
使用壓力範圍Range of pressure(kg/cm ²)	5 ~ 70kg/cm ²							
夾緊力計算公式	$F = \frac{A \times \text{受壓面積} \times \text{供給油壓壓力} P}{2}$ F= 活塞杆中心到夾緊點距離L-壓臂兩孔橫向垂直距離A							



訂購標示法 Ordering Code

HLKA -- 32 C L

① ② ③ ④

① 系列號 Series	HLKA
② 油缸內徑 Bore of cylinder	Φ22/Φ25/Φ32/Φ40 Φ50/Φ63/Φ70/Φ80
③ 油口型式 Port type	空白型管式 Blank-line type G 液壓板式 G-Manifold type C 油口板式用側通 C-Manifold with flow control
④ 壓臂安裝方向 Lever Direction	空白標準 L 左 L-Left Blank-Standard R 右 R-Right