

# CSP

## 油壓支撐缸 (高壓)

### CSP HYDRAULIC SUPPORT CLAMP (HIGH PRESSURE)



#### 產品特性

A型: 夾縮支撐, 在初始位置時, 支撐頭在內部彈簧的作用下處於最上端, 工作時依靠工件在下放時的重力下壓支撐頭使之同步向下, 在工件穩妥的放在治具上時就停止下行, 支撐頭也停止下行, 加油壓後支撐缸鎖死給工件提供支撐並停止運行。

B型: 上行支撐, 在初始位置時, 支撐頭位於最下端, 工件放好後, 給支撐缸加油壓使支撐頭上行, 至碰到工件時支撐頭立刻停止上行並繼續加壓至鎖死, 這樣支撐頭就在當前位置給工件提供支撐並且停止。

最大操作壓力: 250 kgf/cm<sup>2</sup>  
 最小操作壓力: 100 kgf/cm<sup>2</sup>  
 作動方式: 單動式

#### 注意事項

支持力與轉角缸的支持力要相匹配, 支持力至少為單個轉角缸夾持力的150%  
 不能超過最大流速, 避免過早鎖死  
 基本上在中間位置放置支撐缸  
 安裝時蓋可能垂直於工作面, 傾斜勿超過10°

#### FEATURES

Type A: Supporting with the spring, the spring is used to control a clamping force when the piston rod extends to a highest support position, then clamps the work piece and lock the piston in a supporting condition.

Type B: Supporting with oil pressure, it is operated by means of air pressure and is keeping in a supporting condition when being filled with oil and clamp the work piece.

Max. operating pressure : 70 kgf/cm<sup>2</sup>  
 Min. operating pressure : 15 kgf/cm<sup>2</sup>  
 Single acting

#### NOTE

The supporting force must match the clamp force of the swing clamp.  
 The supporting force at least is equal to 150% of the clamp force of a swing clamp.  
 Do not exceed the maximum velocity of flow and avoid clamping it too early.  
 Install the supporting cylinder in the middle place best.  
 The angle degree between the supporting cylinder and working face could not be larger than 10% while installing.

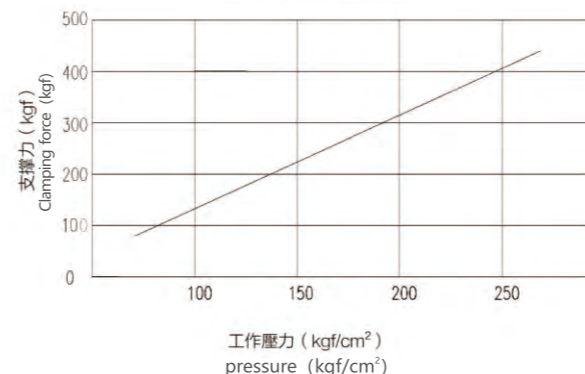
#### 訂購標示法 ORDERING INDICATION

##### 示例: CSP-16A

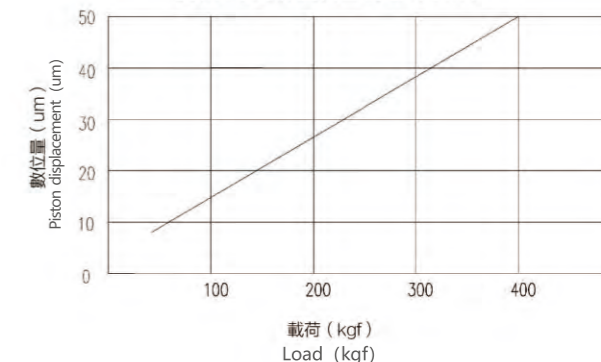
CSP	系列 Series	CSP	
16	油塞桿徑 Piston rod diameter	Φ16	
A	型式 Type	A:Type A	B:Type B

CSP-16 系列特性曲線圖

工作壓力與支撐力關係

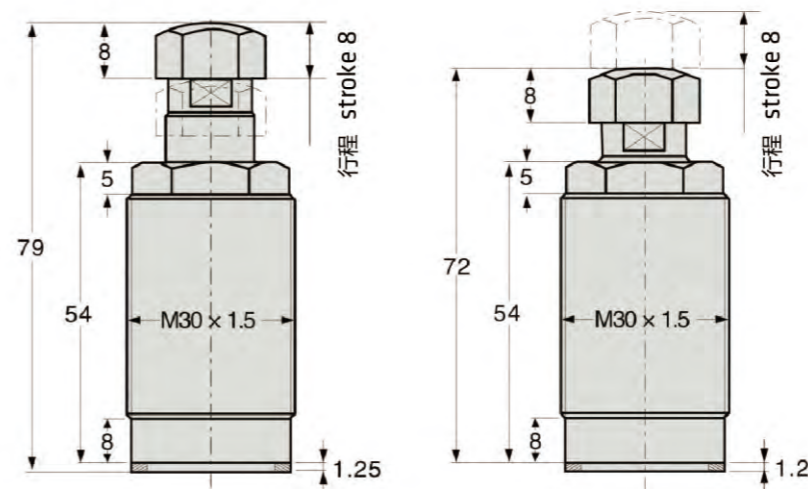


25MPa 時靜載荷變位置 (um)

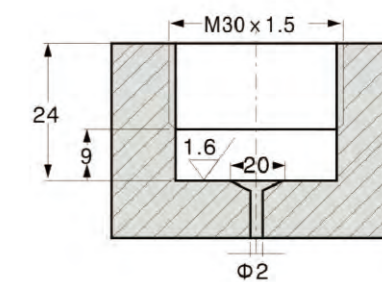


CSP-16A

CSP-16B



安裝尺寸



#### 規格參數表 SPECIFICATION

型號	理論支撐力(250 kgf/cm <sup>2</sup> )	理論支撐力(100 kgf/cm <sup>2</sup> )	總行程	油壓容積	活塞桿面積	使用流體
MODEL	CLAMPING FORCE AT 250 kgf/cm <sup>2</sup> (kgf)	CLAMPING FORCE AT 100 kgf/cm <sup>2</sup> (kgf)	TOTAL STROKE(mm)	OIL CAPACITY CLAMP(cm <sup>3</sup> )	OIL CAPACITY UNCLAMP(cm <sup>3</sup> )	USABLE FLUID
CSP-16A	410	140	8	0.60	2.01	相當於ISO黏度等級的ISO-VG-32一般液壓油 General Hydraulic Oil Equivalent to ISO-VG-32
CSP-16B	410	140	8	0.60	2.01	