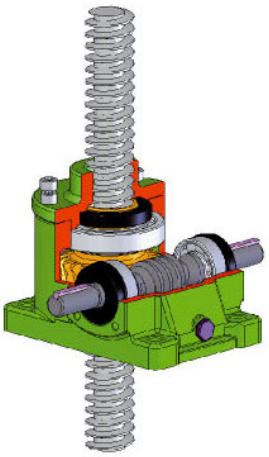
螺旋升降器減速機系列
SCREW JACK REDUCER SERIES

特性FEATURES：

螺旋升降器結構主要為由機身、含內螺紋之銅件、螺桿及其它附件組成。在設計規範上從35#~80#，有多種規格。螺桿端在應用上又可分為全牙式、平頭式、螺牙式、栓孔式、頂板式。螺旋升降器具有體積小、功能多、重量輕、無噪音、結構緊湊、安裝方便、靈活、動力源廣、傳動效率高、使用壽命長等特點。可以頂升、降落、提升、下壓、推進、翻轉等多種安裝使用方式。螺旋升降器可單台或多台組合使用。能按一定的程式準確地控制調整頂升或降落的高度，可以用電機或其他動力直接帶動，也可以手動方式帶動。



The screw jack is composed of a main body, copper articles with interior thread, screw and other accessories. It comes in various specifications from model 35 to 80. In actual application, the screw ends can be divided into various types such as : no end, rod end, threaded end, clevis end, and top plate. The screw jack has a variety of features, such as compact size, multiple functions, light weight, no noise, intensified structure, convenient installation, high maneuverability, wide variety of power sources, high transmission efficiency, and long service life. It is capable of various installation, such as moving upward, moving downward, pushing forward, overturning, etc. The screw jacks can be used independently or in combination of several sets. It can accurately control lifting or lowering height according to programmed setting. It can be driven directly by electrical or other power sources, or by manually.

機種型號表示 INDICATION OF MODEL NUMBERS

LM - VJ - 50 - 10 - L - 1 - A -300

公司代號 Company Code	機 型 Type	型號 Model	速比 Ratio	軸向 Direction	馬力 Horse Power	螺桿型式 Screw End	長度 Length
	VJ	35			1/4HP	A (全牙式)NO END	300
	VJM	40			1/2HP	B (平頭式)ROD END	
		50			1HP	C (螺牙式)THREADED END	
		60			2HP	D (栓孔式)CLEVIS END	
		70			3HP	E (頂板式)TOP PLATE	
		80					

螺桿桿端型式 TYPE OF SCREW END

A 型式Type (全牙式) NO END	B 型式Type (平頭式) ROD END	C 型式Type (螺牙式) THREADED END	D 型式Type (栓孔式) CLEVIS END	E 型式Type (頂板式) TOP PLATE
				

■ 容許彎曲負荷值
■ PERMISSIBLE BENDING LOAD

關於各種型號及軸端各種負荷方式，有關牙桿長度及容許彎曲負荷可參考以下表格或計算式。

Concerning the variety of models and loading methods at screw end, as well as screw length and permissible bending load, please refer to the following charts or formulae.

計算方法：formula

$$Pcr = n \cdot \pi^2 \cdot E \cdot (k/\ell)^2 \cdot A \cdot \alpha$$

n：軸端支撐因數
shaft end support factor

E：縱向彈性模數
longitudinal elasticity modulus
2.1x10 kgf/mm^2

K：最小輔助半徑
Minimum auxiliary radius

$K=\frac{d_1}{4}$

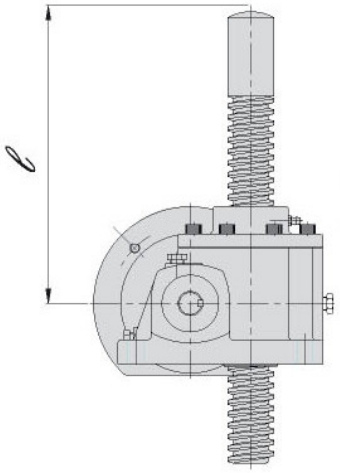
d_1：螺紋底直徑
Minor diam

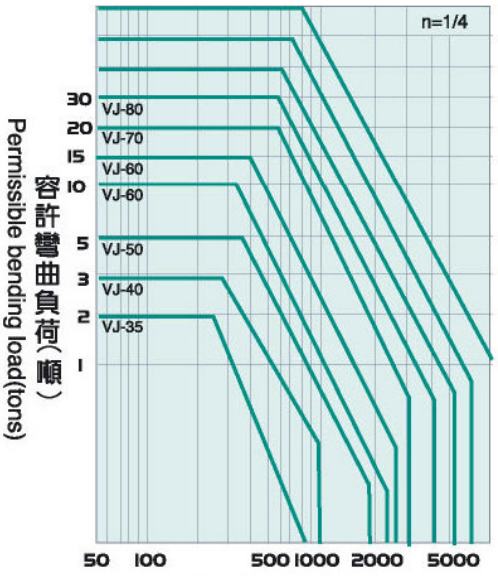
ℓ：軸支撐長度
shaft support length

A：舉升螺桿之螺紋底直徑的斷面積
Thread of lift screw
Section area of minor diam.

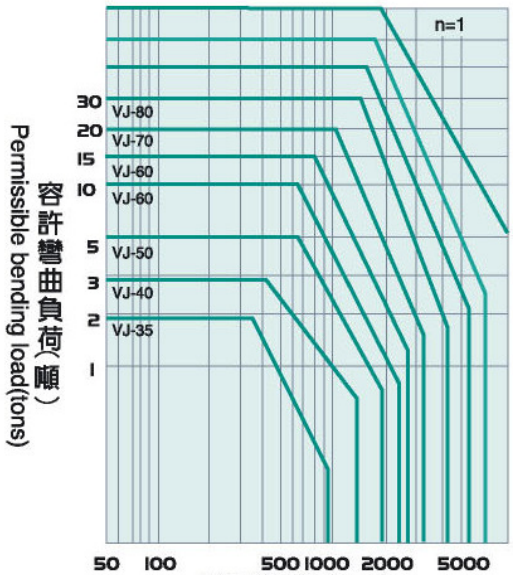
$A=\frac{\pi \cdot (d_1)^2}{4}$

α：安全係數　　α=0.25
Safety factor

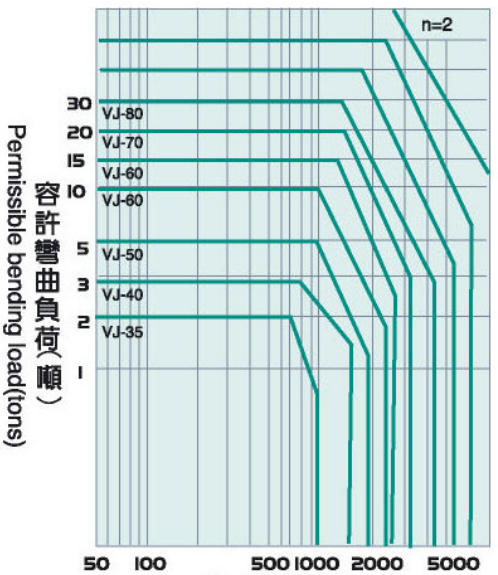




軸支撐長度（mm）
Shaft support length(mm)
千斤頂固定-軸端游離
Jack fixed shaft terminal free



軸支撐長度（mm）
Shaft support length(mm)
千斤頂支撐-軸端游離
（拴孔式）-（拴孔式）
Jack fixed shaft terminal support



軸支撐長度（mm）
Shaft support length(mm)
千斤頂固定-頂板固定
Jack fixed -top plate fixed