



SHOCK ABSORBERS



公司簡介、設備、品質管制、理念 Company Profile、Equipments、QC control、Belief	02~03
產品簡介 Product Summary	04~05
技術資料 Technical Data	05~08
計算公式及範例 Formulas & Examples	09~12
產品速查表 Products Quick List	13~15
S不可調緩衝器 Non-adjustable type Shock Absorber	16~18
SC自動補償式緩衝器 Self-compensation type Shock Absorber	18~24
FC可調式緩衝器 Adjustable type Shock Absorber	25~27
SCS阻擋缸專用不可調緩衝器 Stop Cylinder Use Shock Absorber	28
SFC阻擋缸專用可調緩衝器 Adjustable Shock Absorbers For Inside Of Stop Cylinders (OEM & ODM Welcome)	29
SCD雙向吸收型緩衝器 Double Cushion Shock Absorber	30
緩衝器定位螺帽 Installation of Stop Collar & Nut	31
訂購方式 Ordering Information	32

御豹企業股份有限公司創立於1998年，專業研發生產工業用油壓緩衝器；公司負責人投入此產品研發超過25年，御豹堅持以技術為導向、透過嚴格品質控管，持續改善產品及新品之研發創新，創造高品質之CEC油壓緩衝器，協助客戶提高生產效率，改善品質，降低成本，創造利潤。更透過ISO 9001 之認證，給予客戶更優質之產品。

An ISO 9001:2008 Certified Company, CEC YUH BAW CO., LTD. was founded in 1998 with a mission to serve the clients with complete satisfaction level with its product line-up. We are an outstanding manufacturer and exporter of highly durable and sturdy industrial hydraulic shock absorbers. We have been giving our best efforts in order to make our clients satisfied in every possible manner.

The company is led under the able guidance of our president, Mr. Chen, who has served this field of expertise for more than three decades. We implement the latest technology in our production processes and do continuous research activities in order to upgrade the present series. The support of a dedicated team always assists in taking the name of the organization to a zenith. We export our range to various markets situated in Europe, the United States and Japan. Owing to the adherence of quality in our business operation, we have been awarded with various memberships such as China Exports Trading Development Council (CETDC), Taiwan Fluid Power Association (TFPA) and Taiwan Association of Machine Industry (TAMI).

御豹公司的優勢

Advantages of CEC YUH BAW:

1. 高比例的自製率：從材料裁切，車床加工，內外徑研磨，表面處理，組裝，測試，包裝，都在生產人員精細的掌控之中。100%台灣加工製造，而原素材多為進口高級品牌產品。
2. 嚴格的品質控制：由於選用最高級之材料及嚴謹的製程控制，產品本身重要配合尺寸公差可控制0.01mm之內，使產品本身的效能完美的發揮；以協助客戶提高產能，降低不良率及減少噪音之公害，提升客戶之利潤。
3. 優異耐久性：CEC工業用油壓緩衝器以嚴謹的製造流程及檢驗測試，在耐久性的能力上有非常優異的表現；可媲美歐洲、美洲等進口產品。
4. 提供完整的工程規劃：事前完整的工程建議諮詢及事後追蹤改善，提供客戶做最佳選擇。

1. Local manufacturing: We provide in-house services that include material cutting, lathe processing, grinding of tube's inner and outer diameter, assembling, testing and packing. Parts are 100% made in Taiwan and mainly use materials are imported from well-known brand abroad.
2. Strict quality control: The materials we use are top quality name brands. The manufacturing process is controlled with precise measuring instruments, which minimize differences to less than 0.01mm for some critical dimensions.
3. Excellent durability: CEC industry shock absorbers are made under strict fabrication technology and inspection test, have an excellent performance of its durability, can compare with imported shock absorbers from Europe and America.
4. Top Customer Service: We provide complete engineering support, suggestions based on our customers' needs and review afterwards.

本公司的理念 BELIEF OF CEC

- ◆ 品質優先 Quality First
- ◆ 合理價位 Fair Price
- ◆ 交貨準時 On Time Delivery

搪磨機(美國品牌SUNNEN)、CNC多軸加工機、效率測試機、耐久性測試機(壽命測試機)、力量與行程測試機。
Honing machines(Brand name: SUNNEN), CNC Multiple spindle manufacturing machine, Capability tester, Endurance Tester (Life tester), Force-Stroke Tester...etc.

HONING MACHINE
搪磨機



CNC AUTOMATIC LATHE



3D量測儀
3D MEASURING SYSTEM



SCOPE-CHECK-200-3D-MAN WERTH



效率測試機
CAPABILITY TESTER



同心度測量儀
CONCENTRICITY GAUGE



耐久性測試機
ENDURANCE TESTER



品質控制

QUALITY CONTROL

3D 投影機、環規、塞規、金屬硬度儀、橡膠硬度計、顯微放大器、顯微量測儀、同心度測量儀。

Quality Assurance

Quality is a key factor that drives the company to a supreme position. We follow a strict quality policy in our production procedure in order to ensure our range of industrial shock absorbers, a standard product. We have a team of quality controllers who supervises the production process with utmost dedication and further assures the clients to have range that is absolutely defect-free. Our in-house testing unit is comprised of sophisticated tools and equipments to check the range. Equipments include: 3D projectors, thread ring gauges, thread plug gauges, metal hardness testers, rubber hardness testers, surface roughness testers, concentricity gauges, etc.

工業油壓緩衝器

Hydraulic industrial shock absorbers

CEC油壓緩衝器能有效的吸收高速運動產生的震動及噪音，將動能轉換為熱能並釋放於大氣中，故可在每一次的動作中將物體平穩有效的停止，過去許多廠商為節省成本，只使用PU膠、彈簧等來作緩衝，但往往造成效果不彰，噪音依舊，效率無法提升；選擇使用CEC油壓緩衝器將可有效的解決因緩衝不良的弊端，使機械提高效率增加產能，使機器的壽命延長降低維修成本，使機器的運作穩定維持產品品質，使機器的操作更安全避免意外，使工作環境改善提高人員效率增加企業的競爭優勢。

產品系列

- S** 系列：不可調 - 同一型號只有一種相同的孔徑排列組合
- SC** 系列：不可調（自動補償）緩衝器 同一型號有三種不同的孔徑排列組合
- FC** 系列：可調緩衝器
- SCS** 系列：不可調阻擋缸用緩衝器
- SFC** 系列：可調阻擋缸用緩衝器（OEM 及 ODM專用）
- SCD** 系列：雙向緩衝器

產品表面處理有氮化、染黑、鍍鎳、鍍黑色鉻，標準表面處理S系列氮化、SC系列SC0806、SC1005、SC1008、SC1210、SC1412BS為鍍鎳，其它緩衝器為染黑；特殊表面處理可另行安排；例如QPQ.

Select the correct shock absorber and it will reduce shock vibration and noise. It will improve efficiency and extend machine life.

The function of CEC shock absorber is to convert the kinetic energy of the moving object into heat and dissipate it into the atmosphere. It can stop a moving object smoothly and quietly before heavy impact occurs.

In order to save cost solid buffers such as polyurethane and rubber are often used. These cause noise and transient shock. The use of shock absorbers alleviates this resulting in both increased reliability and production. Additionally the noise reduction means they are environmentally friendly.

PRODUCT SERIES

S series-Non-adjustable shock absorbers, each type has only one unique orifice arrangement. Surface treatment: Nitriding treatment.

SC series: Non-adjustable (Self-compensation) shock absorbers. Surface treatment: Nickel plated:

SC0806、SC1005、SC1008、SC1210、SC1412BS; Others are black anodized.

Each type have 3 different orifice arrangements.

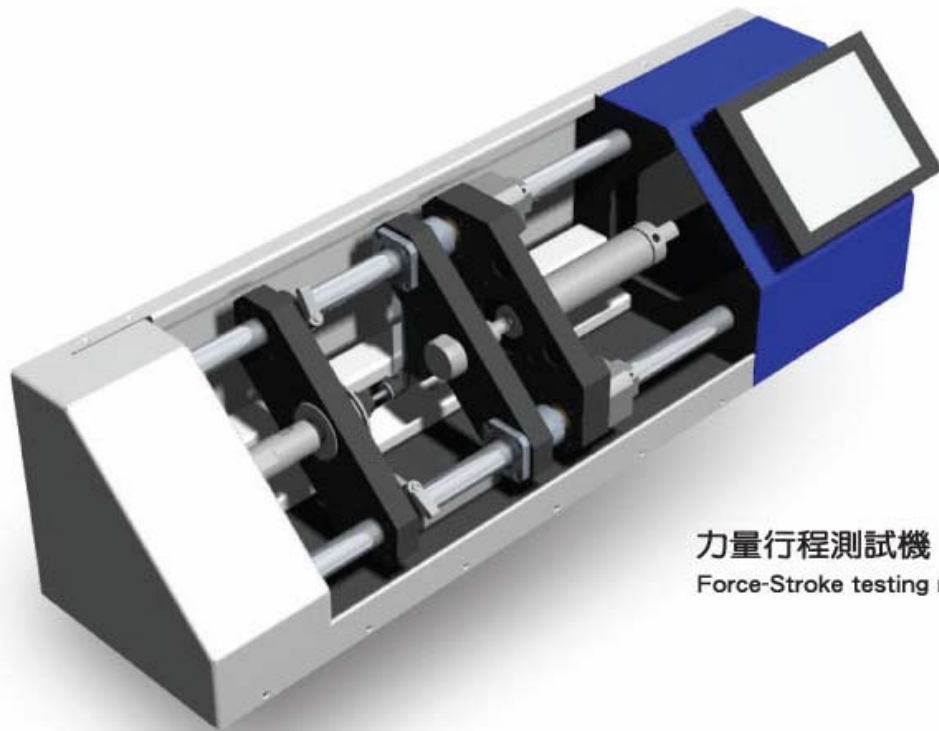
FC series: Adjustable shock absorbers. Surface treatment: black anodized.

SCS series: Non-adjustable Shock absorbers used for stop cylinders. Surface treatment: black anodized.

SFC series: Adjustable shock absorbers for stop cylinders (OEM & ODM only)

SCD series: Double cushion shock absorbers. Surface treatment: black anodized.

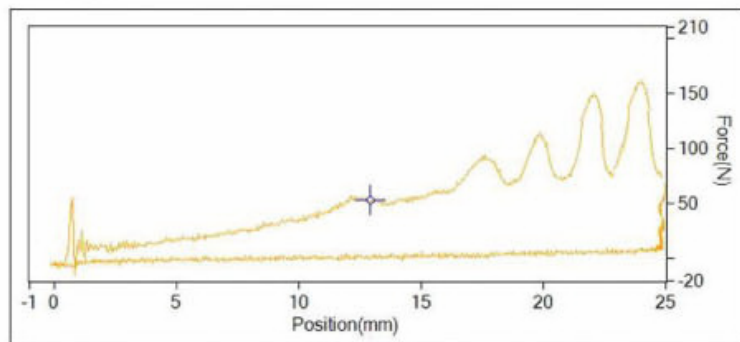
Special surface treatment can be arranged upon request; such as: QPQ.



力量行程測試機
Force-Stroke testing machine

緩衝器測試

測試日期：2015/8/25 14:10:06



力量行程圖 (Figure of Force vs Stroke)

- ▲ 此圖形為氣缸撞擊緩衝器之圖形
This drawing is made under cylinder impact shock absorber.

此測試機主要為測試油壓緩衝器受外力後，內管承受壓力大小與緩衝器行程之關係曲線；也就是說有了此圖形，就可以判斷此油壓緩衝器是否以高效率吸收了外來之運動能量。

When the shock absorber was affected by the force from outside, the main function of this testing machine is testing the relative curve between the pressure of inner tube undertake and the stroke of the shock absorber. That means through this curve, we can judge the efficiency of the shock absorber absorb the kinetic energy by the force it was affected!!

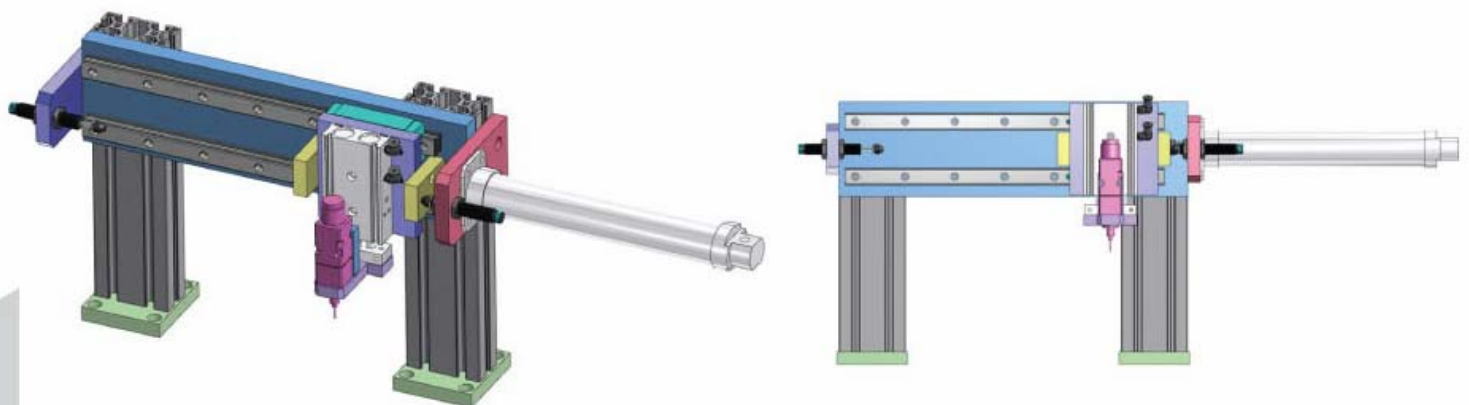
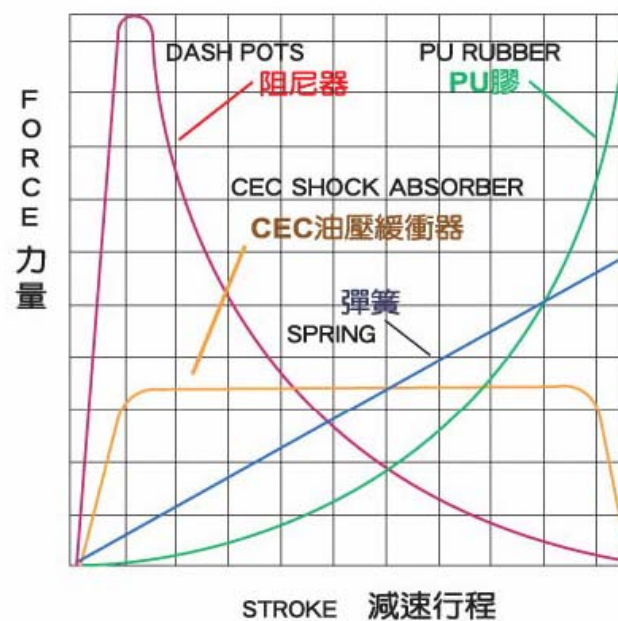
CEC油壓緩衝器與它項緩衝器之比較圖表

Comparison Of Shock Absorbing Of Dash Pots, PU Rubbers, Springs And CEC Shock Absorbers

彈簧與PU膠在早期雖被廣泛使用，但因非等力減速且在後端會產生強大的抗力，也就是說動能沒有被吸收，因而產生反彈，至於一般單孔之緩衝器裝置較易造成剛開始就產生較大之抗力，就效率而言是一種低效率之緩衝器。在一定的行程內，如要將移動物體以最小力量停止，CEC油壓緩衝器將提供最佳的選擇。

The springs and polyurethane are widespread to use in earlier period, but due to provide non-linear deceleration and to result in strong resistance, all the kinetic energy of moving objects is not absorption and produce counter pressure, this is in low efficiency.

If linear deceleration is necessary for a moving object. CEC Shock Absorber is your best choice.



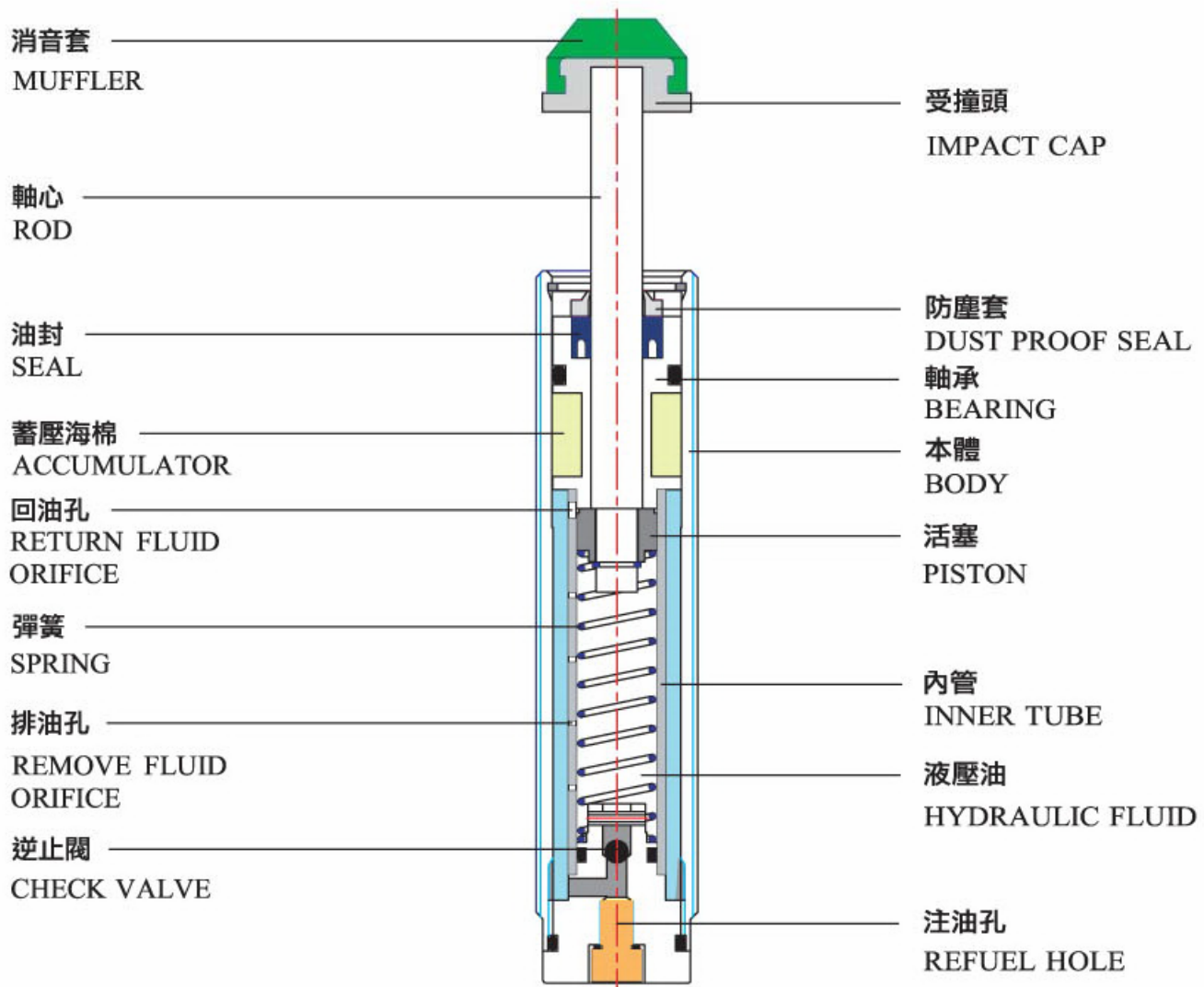
EXAMPLES OF USING CEC SHOCK ABSORBERS

CEC緩衝器加工機上之使用範例

CEC油壓緩衝器之主要結構為本體、軸心、軸承、內管、活塞、液壓油、彈簧等組成，當軸心受外力衝擊將帶動活塞擠壓內管之液壓油，液壓油受壓後將由內管之排油孔一一排出，同時由內管排出之液壓油也由內管之回油孔回流到內管；當外力消失時，彈簧將活塞彈回始點等待下次的作動，依此原理，CEC油壓緩衝器將能把移動中的物體平穩有效的停止。

CEC Shock Absorbers' main structure to combine with body, rod, bearing, inner tube, piston, fluid, spring. On impact the piston rod moves into the shock absorbers and the hydraulic fluid is push into accumulator to produce resistant force, the pressure in the inner tube remains constant throughout the entire impact stroke. CEC Shock Absorbers providing a linear deceleration and brings the impacting object to stop smoothly and quietly. At the end of the impact stroke, the return spring pushes the piston to its original position for next cycle.

◀ 油壓緩衝器主要結構 ▶



▶ 油壓緩衝器之選擇：

能量：要選擇一支適用的油壓緩衝器，首先須將移動物體所產生的動能計算出，然後再依物體實際移動速度計算出其有效重量值。

在做物理能量的計算中，將有三種型態的能量須知道：

1. 為物理能量是物體本身的重量和速度所產生 $E_1 = 0.5 \times W \times V^2$

2. 為工作能量是由推進力和油壓緩衝器行程所產生 $E_2 = F \times S$,

$E_1 + E_2$ 即為物理能量加上工作能量的總合能量 $E_3 = E_1 + E_2$.

3. 為熱能，熱能是由油壓緩衝器受外力所產生並同時釋放掉，其總熱能是以每小時次數

× 每次總能量 $E_4 = E_3 \times C$.

▶ 有效重量值：

為物體移動時所產生的真實重量。

$$W_e = \frac{2 \times E_3}{V^2}$$

當將有效重量值計算出來之後，即可在各頁的速查表容許範圍內找到一支合適的油壓緩衝器。

▶ 使用注意事項：

1. 在有效行程前 1 mm 停止。
2. 軸心不得有附著物及損壞。
3. 注意緩衝器固定板之強度。
4. 注意撞擊物至受撞頭的偏心角度不得大於 2°。

THREE MAJOR FACTORS TO BE CONSIDERED:

1. HOW MUCH ENERGY TO BE DISSIPATED EACH STROKE
2. HOW MUCH ENERGY TO BE DISSIPATED PER HOUR
3. HOW MUCH IS YOUR EFFECTIVE WEIGHT OF YOUR APPLICATION

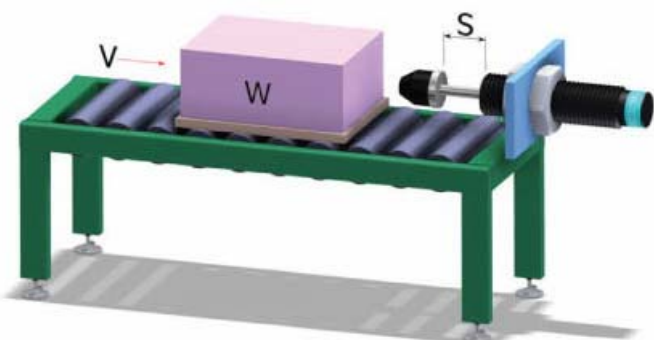
NOTE

- * Absorbers series allow approximate 1 mm fixed stop before the end of the stroke, not to be driven into the final position under full load.
- * Reuse is prohibited after disassembling; paint on the rod and threaded body is not allowed.
- * Stop collar protects shock absorber' piston from bottoming out. Stop Collar can be used in adjusting distance of stroke.
- * Attention: To assembly, especially on fixed steel thickness & off-center angle, off-center angle do not exceed 2°.

E_1	(Nm) 動能	$E_1 = 0.5 \times W \times V^2$	Kinetic energy (Nm)
E_2	(Nm) 工作能量 (附加推進力)	$E_2 = F \times S$	Working energy with propelling force (Nm)
E_3	(Nm) 總合能量	$E_3 = E_1 + E_2$	Total energy (Nm)
E_4	(Nm) 每小時總能量	$E_4 = E_3 \times C$	Total energy to be absorbed per hour (Nm)
F	(N) 推進力	$F = 7.854 \times P \times d^2$	Propelling force (N)
F_m	(N) 最大衝擊力	$F_m = 1.2 E_3 / S$	Maximum impact force (N)
V_g	(m / s) 自由落體速度	$V_g = \sqrt{2gh}$	Free falling object velocity (m / s)
W_e	(kg) 有效重量值	$W_e = 2 \times E_3 / V^2$	Effective weight (kg)
C	每小時撞擊次數 Number of impact cycles per hour	HP (KW) 馬達出力	Motor rating
W	(kg) 移動物體重量 Weight of moving object	d (cm) 氣缸內徑	Inner diameter of cylinder
P	(kg / cm ²) 工作壓力 Working pressure	h (m) 高度	Height
R	(m) 半徑 radius	ST 扭力係數 25(1 ~ 25)	Coefficient of torque
R_s	(m) 油壓緩衝器至旋轉中心的距離 Distance between shock absorber and rotate center	g m/s ² 重力加速度 = 9.81 Acceleration of gravity m/s ²	
μ	磨擦係數 Coefficient of friction	S (m) 油壓緩衝器行程	Stroke of shock absorber
θ	(rad) 受撞接觸角及斜面角度 (rad) Impact or inclined plane's angle	T (Nm) 回轉扭力	Rotate torque
ω	(rad / s) 角速度 Angular velocity	t (sec) 減速時間	Deceleration time
V	(m / s) 衝擊速度 Impact velocity	m 米	Meter
		s 秒	Second

(1) 沒有附加推進力的物體

Horizontal Impact without Propelling Force



[已知條件1]

W = 20 kg
V = 1 m/s
C = 1000 / Hr

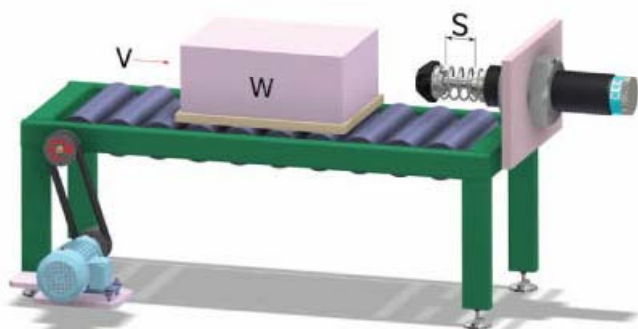
[計算公式]

$E_1 = 0.5 \times W \times V^2$
 $E_2 = 0$
 $E_3 = E_1 + E_2$
 $E_4 = E_3 \times C$
We = W

$E_1 = 0.5 \times 20 \times 1^2 = 10 \text{ Nm}$
 $E_2 = 0$
 $E_3 = 10 + 0 = 10 \text{ Nm / C}$
 $E_4 = 10 \times 1000 = 10000 \text{ Nm / Hr}$
We = 20 kg
可選用 SC1415-1

(2) 滾輪驅動物體

Horizontal Impact with Conveyor Driving



[已知條件2]

W = 10 kg
V = 1 m/s
C = 600 / Hr
S = 0.01 m
u = 0.25

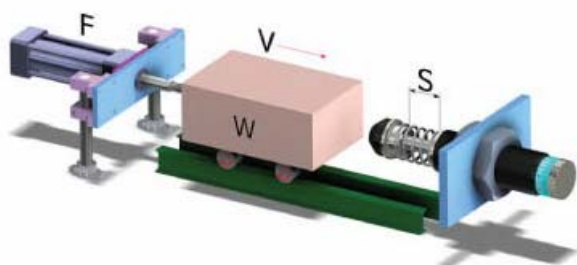
[計算公式]

$E_1 = 0.5 \times W \times V^2$
 $E_2 = W \times u \times g \times S$
 $E_3 = E_1 + E_2$
 $E_4 = E_3 \times C$
We = $2 \times E_3 / V^2$

$E_1 = 0.5 \times 10 \times 1^2 = 5 \text{ Nm}$
 $E_2 = 10 \times 0.25 \times 9.81 \times 0.01 = 0.25 \text{ Nm}$
 $E_3 = 5 + 0.25 = 5.25 \text{ Nm}$
 $E_4 = 5.25 \times 600 = 3,150 \text{ Nm / Hr}$
We = $2 \times 5.25 / 1^2 = 10.5 \text{ kg}$
可選用 SC 1210-2

(3) 有附加推進力的物體

Horizontal Impact with Propelling Force



[已知條件3]

W = 50 kg
V = 1 m/s
F = 1000 N
C = 500 / Hr
S = 0.04 M

[計算公式]

$E_1 = 0.5 \times W \times V^2$
 $E_2 = F \times S$
 $E_3 = E_1 + E_2$
 $E_4 = E_3 \times C$
We = $2 \times E_3 / V^2$

$E_1 = 0.5 \times 50 \times 1^2 = 25 \text{ Nm}$
 $E_2 = 1000 \times 0.04 = 40 \text{ Nm}$
 $E_3 = 25 + 40 = 65 \text{ Nm / C}$
 $E_4 = 65 \times 500 = 32500 \text{ Nm / Hr}$
We = $2 \times 65 / 1^2 = 130 \text{ kg}$
可選用 FC2540

(4) 推進力由上往下



Vertical Impact with Force from Top to Bottom

[已知條件4]

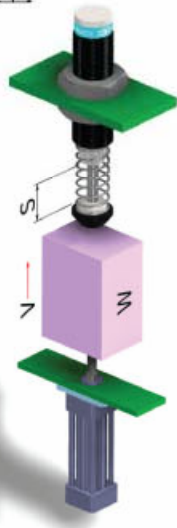
W = 100 kg
V = 1 m / s
F = 1,200 N
C = 400 / Hr
S = 0.025 M

[計算公式]

$E_1 = 0.5 \times W \times V^2$
 $E_2 = (F + W \times g) \times s$
 $E_3 = E_1 + E_2$
 $E_4 = E_3 \times C$
 $We = 2 \times E_3 / V^2$

$E_1 = 0.5 \times 100 \times 1^2 = 50 \text{ Nm}$
 $E_2 = (1,200 + 100 \times 9.81) \times 0.25 = 54.5 \text{ Nm}$
 $E_3 = 50 + 54.5 = 104.5 \text{ Nm}$
 $E_4 = 104.5 \times 400 = 41,800 \text{ Nm / Hr}$
 $We = 2 \times 104.5 / 1^2 = 209 \text{ kg}$
可選用 FC3625

(5) 推進力由下往上



Vertical Impact with Force from Bottom to Top

[已知條件5]

W = 200 kg
V = 0.5 m / s
F = 3,000 N
C = 500 / Hr
S = 0.05 M

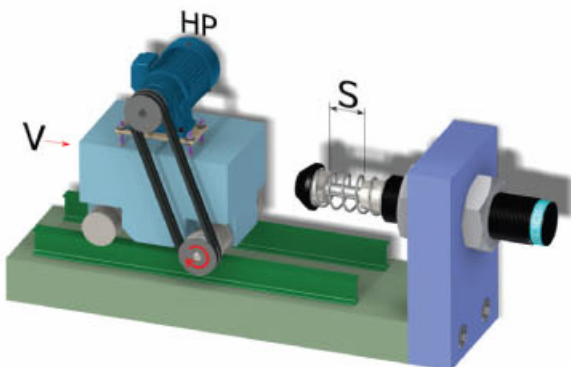
[計算公式]

$E_1 = 0.5 \times W \times V^2$
 $E_2 = (F - W \times g) \times s$
 $E_3 = E_1 + E_2$
 $E_4 = E_3 \times C$
 $We = 2 \times E_3 / V^2$

$E_1 = 0.5 \times 200 \times 0.5^2 = 25 \text{ Nm}$
 $E_2 = (3,000 - 200 \times 9.81) \times 0.05 = 51.9 \text{ Nm}$
 $E_3 = 25 + 51.9 = 76.9 \text{ Nm}$
 $E_4 = 76.9 \times 500 = 38,450 \text{ Nm}$
 $We = 2 \times 76.9 / 0.5^2 = 615.2 \text{ kg}$
可選用 FC3650

(6) 馬達趨動物體

Horizontal Impact with Motor Driving



[已知條件6]

W = 50 kg
V = 1.5 m / s
ST = 2.5
HP = 2 KW
C = 100 / Hr
S = 0.06 M

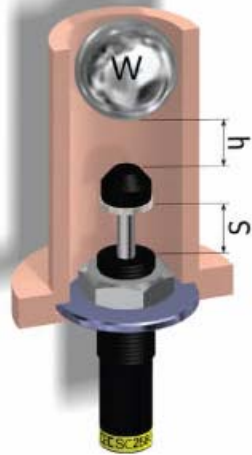
[計算公式]

$E_1 = 0.5 \times W \times V^2$
 $E_2 = 1000 \times \text{HP} \times \text{ST} \times S / V$
 $E_3 = E_1 + E_2$
 $E_4 = E_3 \times C$
 $We = 2 \times E_3 / V^2$

$E_1 = 0.5 \times 50 \times 1.5^2 = 56.25 \text{ Nm}$
 $E_2 = 1000 \times 2 \times 2.5 \times 0.06 / 1.5 = 200 \text{ Nm}$
 $E_3 = 56.25 + 200 = 256.25 \text{ Nm / C}$
 $E_4 = 256.25 \times 100 = 25625 \text{ Nm / Hr}$
 $We = 2 \times 256.25 / 1.5^2 = 227 \text{ kg}$
可選用 SC3660 -2

(7) 自由落體

Free Fall Impact



[已知條件7]

W = 30 kg
h = 0.5 M
C = 300 / Hr
S = 0.08 M

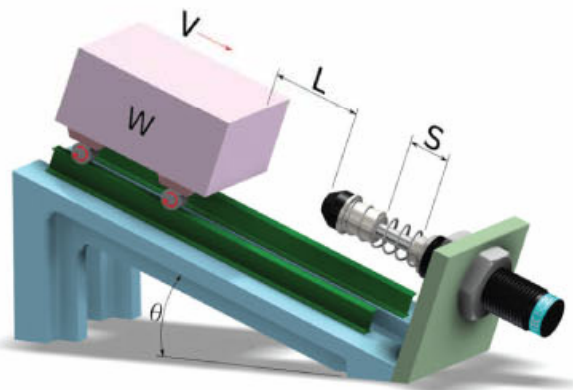
[計算公式]

$E_1 = W \times g \times h$
 $E_2 = W \times g \times S$
 $E_3 = E_1 + E_2$
 $E_4 = E_3 \times C$
 $V_s = \sqrt{2 \times g \times h}$
 $We = 2 \times E_3 / V^2$

$E_1 = 30 \times 9.81 \times 0.5 = 147 \text{ Nm}$
 $E_2 = 30 \times 9.81 \times 0.08 = 23.5 \text{ Nm}$
 $E_3 = 147 + 23.5 = 170.5 \text{ Nm / C}$
 $E_4 = 170.5 \times 300 = 51150 \text{ Nm / Hr}$
 $V_s = \sqrt{2 \times 9.81 \times 0.5} = 3.1 \text{ m / s}$
 $We = 2 \times 170.5 / 3.1^2 = 35.5 \text{ kg}$
可選用 SC2580 -1

(8) 斜面之滑落

Free Moving Load Down an Inclined Plane



[已知條件8]

W = 30 kg
L = 1
 $\theta = 30^\circ$
S = 0.04
C = 250 / Hr

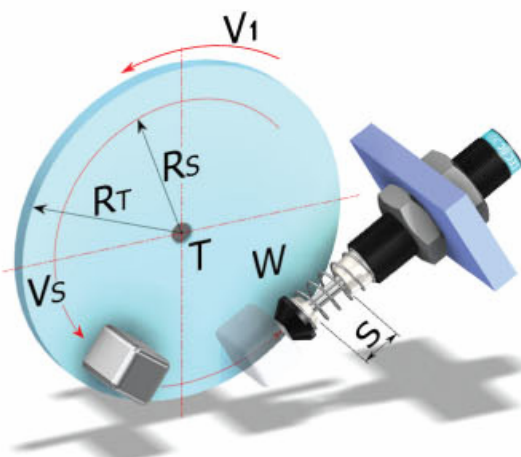
[計算公式]

$V = \sqrt{2 \times g \times L \times \sin \theta}$
 $E_1 = 0.5 \times W \times V^2$
 $E_2 = W \times S \times \sin \theta$
 $E_3 = E_1 + E_2$
 $E_4 = E_3 \times C$
 $We = 2 \times E_3 / V^2$

$V = \sqrt{2 \times 9.81 \times 0.5 \times 0.5} = 2.2 \text{ m / s}$
 $E_1 = 0.5 \times 30 \times 2.2^2 = 72.6 \text{ Nm}$
 $E_2 = 30 \times 0.04 \times 9.81 \times 0.5 = 5.9 \text{ Nm}$
 $E_3 = 72.6 + 5.9 = 78.5 \text{ Nm / C}$
 $E_4 = 78.5 \times 250 = 19625 \text{ Nm / Hr}$
 $We = 2 \times 78.5 / 2.2^2 = 32 \text{ kg}$
可選用 SC 2540 -1

(9) 旋轉衝擊力量

Rorary with Propelling Force



[已知條件9]

W = 100 kg
 $V_1 = 1.1 \text{ m / s}$
T = 2000 Nm
S = 0.06 M
 $R_T = 1.25 \text{ M}$
 $R_S = 0.8 \text{ M}$
C = 100 / Hr

[計算公式]

$E_1 = 0.25 \times W \times V^2$
 $E_2 = (T \times S) / R_s$
 $E_3 = E_1 + E_2$
 $E_4 = E_3 \times C$
 $V_s = (V_T \times R_s) / R_T$
 $We = 2 \times E_3 / V_s^2$

$E_1 = 0.25 \times 100 \times 1.1^2 = 30.3 \text{ Nm}$
 $E_2 = 2000 \times 0.06 / 0.8 = 150 \text{ Nm}$
 $E_3 = 30.3 + 150 = 180.3 \text{ Nm / C}$
 $E_4 = 180.3 \times 100 = 18030 \text{ Nm / Hr}$
 $V_s = 1.1 \times 0.8 / 1.25 = 0.7 \text{ m / s}$
 $We = 2 \times 180.3 / 0.7^2 = 736 \text{ kg}$
可選用 SC3660 -3

型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收 能量 MAX NM PER CYCLE	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收 能量 MAX NM PER HOUR	復歸彈力N RETURN FORCE	操作溫度 OPERATING TEMP. (°C)
S0806	M8 x 1.0	6	2.6	0.6 ~ 33	3	6,240	2.5 ~ 5.8	-10 ~ 70
S1007	M10 x 1.0	7	5	1.1 ~ 63	3	12,000	3.7 ~ 7	-10 ~ 70
S1210	M12 x 1.0	10	10	2.2 ~ 80	3	24,000	4 ~ 9	-10 ~ 70
S1412	M14 x 1.5	12	18	4 ~ 144	3	32,400	6.1 ~ 14	-10 ~ 70
S2015	M20 x 1.5	15	46	10.2 ~ 368	3	55,200	9.8 ~ 20	-10 ~ 70
SC 0806-1	M8 x 1.0 M8 x 0.75	6	1.8	0.9 ~ 5.6	2.0	4,320	2.8 ~ 5.3	-10 ~ 70
SC 0806-2	M8 x 1.0 M8 x 0.75	6	1.8	2.5 ~ 10	1.2	4,320	2.8 ~ 5.3	-10 ~ 70
SC 0806-3	M8 x 1.0 M8 x 0.75	6	1.8	5.6 ~ 22.5	0.8	4,320	2.8 ~ 5.3	-10 ~ 70
SC 1005-3	M10 x 1.0	5	2	6.3 ~ 25	0.8	4,800	3.7 ~ 8.6	-10 ~ 70
SC 1008-1	M10 x 1.0	8	3.2	0.9 ~ 10	2.6	7,680	3.5 ~ 6.5	-10 ~ 70
SC 1008-2	M10 x 1.0	8	3.2	2.8 ~ 17.8	1.5	7,680	3.5 ~ 6.5	-10 ~ 70
SC 1008-3	M10 x 1.0	8	3.2	10 ~ 40	0.8	7,680	3.5 ~ 6.5	-10 ~ 70
SC 1210-1	M12 x 1.0	10	6	1.8 ~ 18.8	2.6	14,400	4 ~ 9	-10 ~ 70
SC 1210-2	M12 x 1.0	10	6	5.3 ~ 33	1.5	14,400	4 ~ 9	-10 ~ 70
SC 1210-3	M12 x 1.0	10	6	12 ~ 75	0.8	14,400	4 ~ 9	-10 ~ 70
SC 1412BS-1	M14 x 1.5	12	16	4.7 ~ 32	2.6	28,800	4.4 ~ 9.2	-10 ~ 70
SC 1412BS-2	M14 x 1.5	12	16	14 ~ 65	1.5	28,800	4.4 ~ 9.2	-10 ~ 70
SC 1412BS-3	M14 x 1.5	12	16	56 ~ 200	0.8	28,800	4.4 ~ 9.2	-10 ~ 70
SC 1412-1	M14 x 1.5	12	16	4.7 ~ 32	2.6	28,800	6.1 ~ 14	-10 ~ 70
SC 1412-2	M14 x 1.5	12	16	14 ~ 65	1.5	28,800	6.1 ~ 14	-10 ~ 70
SC 1412-3	M14 x 1.5	12	16	56 ~ 200	0.8	28,800	6.1 ~ 14	-10 ~ 70
SC 1415- 1	M14 x 1.0 M14 x 1.5	15	20	5.9 ~ 40	2.6	36,000	6.1 ~ 15	-10 ~ 70
SC 1415- 2	M14 x 1.0 M14 x 1.5	15	20	17.8 ~ 81.6	1.5	36,000	6.1 ~ 15	-10 ~ 70
SC 1415- 3	M14 x 1.0 M14 x 1.5	15	20	62.5 ~ 250	0.8	36,000	6.1 ~ 15	-10 ~ 70
SC 1425-1	M14 x 1.0 M14 x 1.5	25	28	4.6 ~ 39	3.5	58,800	6 ~ 15.5	-10 ~ 70
SC 1425-2	M14 x 1.0 M14 x 1.5	25	28	14 ~ 114	2.0	58,800	6 ~ 15.5	-10 ~ 70
SC 1425-3	M14 x 1.0 M14 x 1.5	25	28	25 ~ 350	1.5	58,800	6 ~ 15.5	-10 ~ 70
SC 2020-1	M20 x 1.5	20	35	6.8 ~ 27	3.2	42,000	9 ~ 23	-10 ~ 70
SC 2020-2	M20 x 1.5	20	35	17.5 ~ 70	2.0	42,000	9 ~ 23	-10 ~ 70
SC 2020-3	M20 x 1.5	20	35	48.6 ~ 777	1.2	42,000	9 ~ 23	-10 ~ 70
SC 2030-1	M20 x 1.5	30	46	9 ~ 36	3.2	55,200	8.6 ~ 24	-10 ~ 70
SC 2030-2	M20 x 1.5	30	46	23 ~ 92	2.0	55,200	8.6 ~ 24	-10 ~ 70
SC 2030-3	M20 x 1.5	30	46	64 ~ 575	1.2	55,200	8.6 ~ 24	-10 ~ 70
SC2030-2SO	M20 x 1.5	30	46	23 ~ 92	2.0	55,200	7.4 ~ 18	-10 ~ 70

型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收 能量 MAX NM PER CYCLE	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收 能量 MAX NM PER HOUR	復歸彈力N RETURN FORCE	操作溫度 OPERATING TEMP. (°C)
SC 2050-1	M20 x 1.5	50	62	10.1 ~ 124	3.5	63,240	9 ~ 25	-10 ~ 70
SC 2050-2	M20 x 1.5	50	62	18.3 ~ 253	2.6	63,240	9 ~ 25	-10 ~ 70
SC 2050-3	M20 x 1.5	50	62	55 ~ 496	1.5	63,240	9 ~ 25	-10 ~ 70
SC 2050-11A	M2 0x 1.5	50	62	10.1 ~ 86	3.5	63,240	7 ~ 18	-10 ~ 70
SC 2050-12A	M20 x 1.5	50	62	7.8 ~ 55	4	63,240	7 ~ 18	-10 ~ 70
SC 2050-13A	M20 x 1.5	50	62	6.1 ~ 38.3	4.5	63,240	7 ~ 18	-10 ~ 70
SC 2525-1	M25 x 1.5 M25 x 2.0	25	78	15 ~ 69	3.2	70,200	8 ~ 27	-10 ~ 70
SC 2525-2	M25 x 1.5 M25 x 2.0	25	78	39 ~ 433	2.0	70,200	8 ~ 27	-10 ~ 70
SC 2525-3	M25 x 1.5 M25 x 2.0	25	78	108 ~ 1733	1.2	70,200	8 ~ 27	-10 ~ 70
SC 2540-1	M25 x 1.5 M25 x 2.0	40	122	20 ~ 108	3.5	87,840	13.7 ~ 41	-10 ~ 70
SC 2540-2	M25 x 1.5 M25 x 2.0	40	122	50 ~ 381	2.2	87,840	13.7 ~ 41	-10 ~ 70
SC 2540-3	M25 x 1.5 M25 x 2.0	40	122	244 ~ 1991	1.0	87,840	13.7 ~ 41	-10 ~ 70
SC 2550-1	M25 x 1.5 M25 x 2.0	50	140	20 ~ 124	3.7	100,800	13 ~ 28	-10 ~ 70
SC 2550-2	M25 x 1.5 M25 x 2.0	50	140	48 ~ 438	2.4	100,800	13 ~ 28	-10 ~ 70
SC 2550-3	M25 x 1.5 M25 x 2.0	50	140	194 ~ 2286	1.2	100,800	13 ~ 28	-10 ~ 70
SC 2580-1	M25 x 1.5 M25 x 2.0	80	198	24.7 ~ 99	4	118,800	12 ~ 27	-10 ~ 70
SC 2580-2	M25 x 1.5 M25 x 2.0	80	198	44 ~ 396	3.0	118,800	12 ~ 27	-10 ~ 70
SC 2580-3	M25 x 1.5 M25 x 2.0	80	198	176 ~ 1584	1.5	118,800	12 ~ 27	-10 ~ 70
SC 2725-1	M27 x 3.0 M27 x 1.5	25	78	15 ~ 69	3.2	70,200	8 ~ 27	-10 ~ 70
SC 2725-2	M27 x 3.0 M27 x 1.5	25	78	39 ~ 433	2.0	70,200	8 ~ 27	-10 ~ 70
SC 2725-3	M27 x 3.0 M27 x 1.5	25	78	108 ~ 1733	1.2	70,200	8 ~ 27	-10 ~ 70
SC 3660-1	M36 x 1.5	60	260	57 ~ 231	3.0	124,800	15 ~ 58	-10 ~ 70
SC 3660-2	M36 x 1.5	60	260	130 ~ 813	2.0	124,800	15 ~ 58	-10 ~ 70
SC 3660-3	M36 x 1.5	60	260	520 ~ 3250	1.0	124,800	15 ~ 58	-10 ~ 70

Shock Absorbers-FC Series

型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收 能量 MAX NM PER CYCLE	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收 能量 MAX NM PER HOUR	復歸彈力N RETURN FORCE	操作溫度 OPERATING TEMP. (°C)
FC 1410	M14 x 1.5 M14 x 1.0	10	15	2.9 ~ 120	3.2	27,000	5 ~ 12	-10 ~ 70
FC 2016	M20 x 1.5	16	28	5.4 ~ 224	3.2	33,600	9.8 ~ 20	-10 ~ 70
FC 2020	M20 x 1.5	20	35	6.8 ~ 280	3.2	42,000	9 ~ 23	-10 ~ 70
FC 2525	M25 x 1.5 M25 x 2.0	25	78	15 ~ 624	3.2	70,200	9.6 ~ 28	-10 ~ 70
FC 2540	M25 x 1.5 M25 x 2.0	40	122	23.8 ~ 976	3.2	87,840	13.7 ~ 41	-10 ~ 70
FC 2550	M25 x 1.5 M25 x 2.0	50	140	27 ~ 1120	3.2	100,800	13 ~ 28	-10 ~ 70
FC 2725	M27 x 3.0 M27 x 1.5	25	78	15 ~ 624	3.2	70,200	8 ~ 27	-10 ~ 70
FC 3625	M36 x 1.5	25	110	21 ~ 880	3.2	52,800	15.8 ~ 45	-10 ~ 70
FC 3650	M36 x 1.5	50	220	43 ~ 1760	3.2	105,600	16.5 ~ 49.5	-10 ~ 70

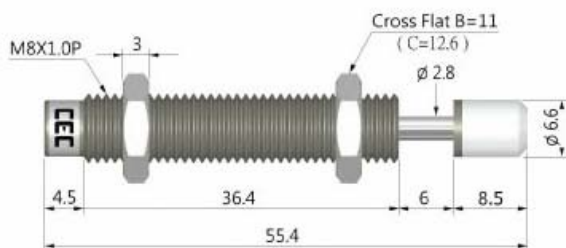
Shock Absorbers-SCS Series

型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收 能量 MAX NM PER CYCLE	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收 能量 MAX NM PER HOUR	復歸彈力N RETURN FORCE	操作溫度 OPERATING TEMP. (°C)
SCS1412-1NC		12	16	4.7 ~ 32	2.6	28,800	6.1 ~ 14	-10 ~ 70
SCS1412-2NC		12	16	14 ~ 50	1.5	28,800	6.1 ~ 14	-10 ~ 70
SCS1412-3NC		12	16	50 ~ 200	0.8	28,800	6.1 ~ 14	-10 ~ 70
SCS2010-1NC		10	18	3.5 ~ 14	3.0	21,600	8 ~ 24	-10 ~ 70
SCS2010-2NC		10	18	9 ~ 36	2.0	21,600	8 ~ 24	-10 ~ 70
SCS2010-3NC		10	18	25 ~ 400	1.2	21,600	8 ~ 24	-10 ~ 70

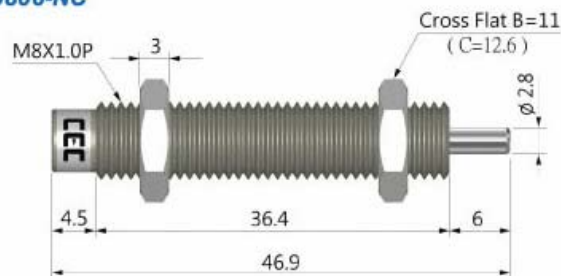
Shock Absorbers-SCD Series

型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收 能量 MAX NM PER CYCLE	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收 能量 MAX NM PER HOUR	復歸彈力N RETURN FORCE	操作溫度 OPERATING TEMP. (°C)
SCD 2030-1	M20 x 1.5	30	46	9 ~ 41	3.2	55,200	8 ~ 27	-10 ~ 70
SCD 2030-2	M20 x 1.5	30	46	23 ~ 144	2.0	55,200	8 ~ 27	-10 ~ 70
SCD 2030-3	M20 x 1.5	30	46	64 ~ 575	1.2	55,200	8 ~ 27	-10 ~ 70
SCD2035-1	M20 x 1.5	35	52	10 ~ 46	3.2	62,400	7 ~ 28	-10 ~ 70
SCD2035-2	M20 x 1.5	35	52	26 ~ 162	2.0	62,400	7 ~ 28	-10 ~ 70
SCD2035-3	M20 x 1.5	35	52	72 ~ 650	1.2	62,400	7 ~ 28	-10 ~ 70
SCD2050-1	M20 x 1.5	50	62	10.1 ~ 124	3.0	63,240	7 ~ 29	-10 ~ 70
SCD2050-2	M20 x 1.5	50	62	18.3 ~ 253	2.6	63,240	7 ~ 29	-10 ~ 70
SCD2050-3	M20 x 1.5	50	62	55 ~ 496	1.5	63,240	7 ~ 29	-10 ~ 70

S0806

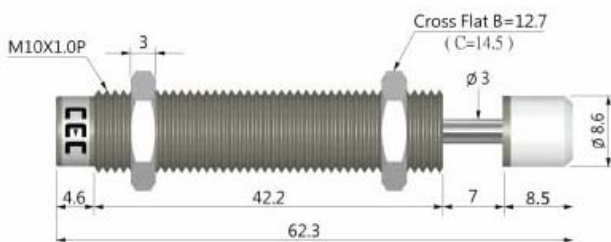


S0806-NC

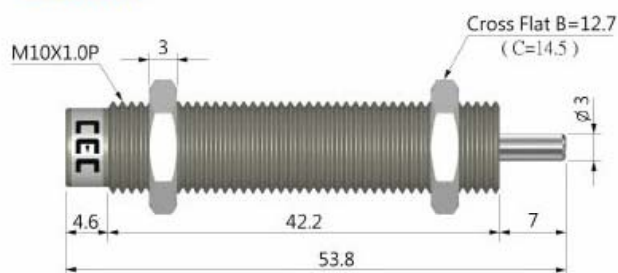


型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP°C
S 0806	M8 x 1.0	6	2.6	0.6 ~ 33	3	6,240	2.5 ~ 5.8	-10 ~ 70

S1007

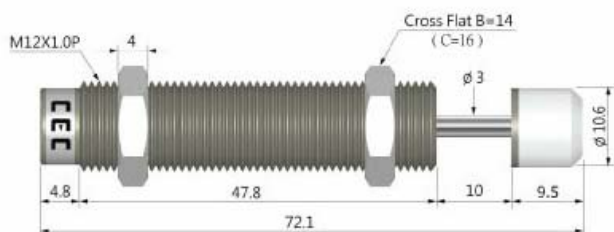


S1007-NC

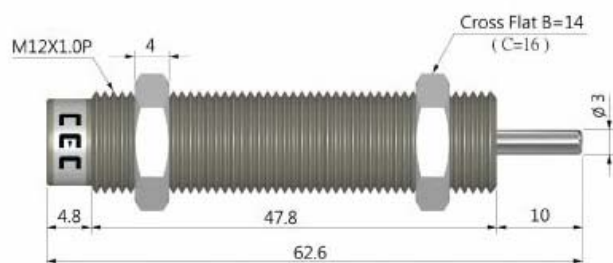


型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP°C
S 1007	M10 x 1.0	7	5	1.1 ~ 63	3	12,000	3.7 ~ 7	-10 ~ 70

S1210

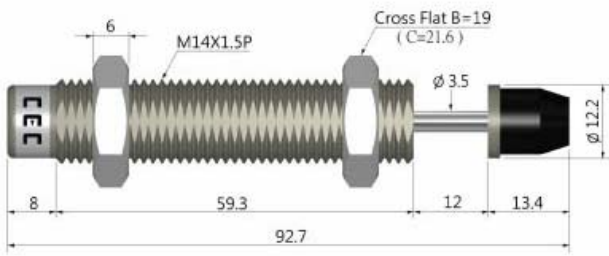


S1210-NC

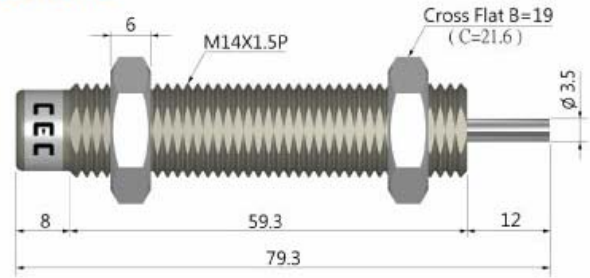


型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP°C
S 1210	M12 x 1.0	10	10	2.2 ~ 80	3	24,000	4 ~ 9	-10 ~ 70

S1412

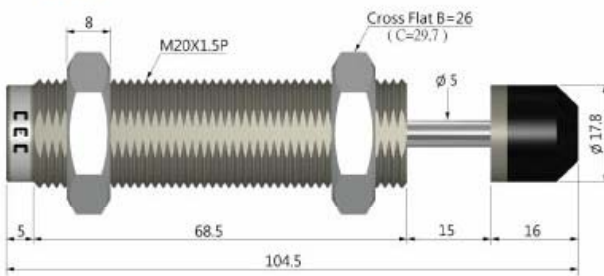


S1412-NC

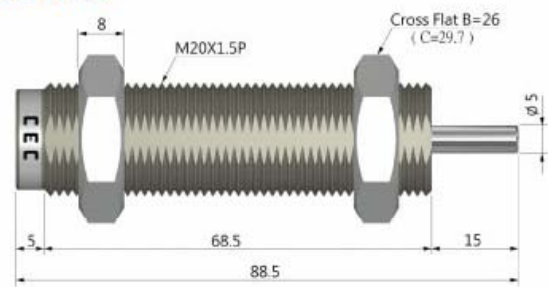


型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
S 1412	M14 x 1.5	12	18	4 ~ 144	3	32,400	6.1 ~ 14	-10 ~ 70

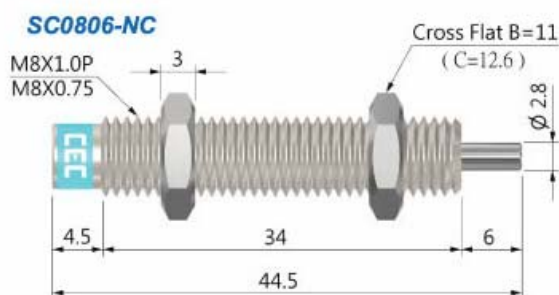
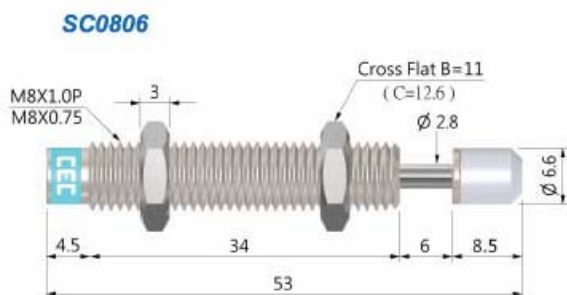
S2015



S2015-NC

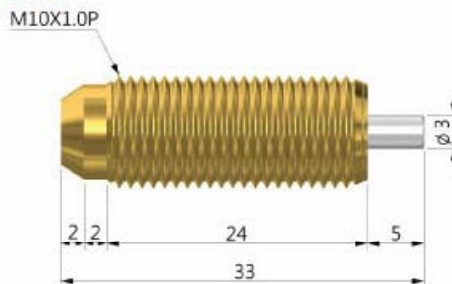


型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
S 2015	M20 x 1.5	15	46	10.2 ~ 368	3	55,200	9.8 ~ 20	-10 ~ 70



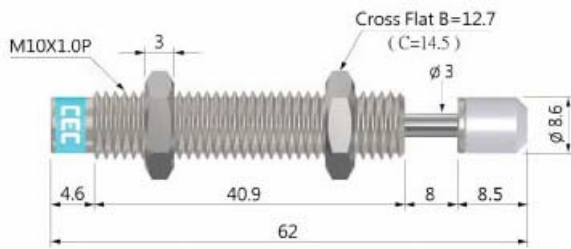
型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
SC 0806-1	M8 x 1.0 M8 x 0.75	6	1.8	0.9 ~ 5.6	2.0	4,320	2.8 ~ 5.3	-10 ~ 70
SC 0806-2	M8 x 1.0 M8 x 0.75	6	1.8	2.5 ~ 10	1.2	4,320	2.8 ~ 5.3	-10 ~ 70
SC 0806-3	M8 x 1.0 M8 x 0.75	6	1.8	5.6 ~ 22.5	0.8	4,320	2.8 ~ 5.3	-10 ~ 70

SC1005-NC

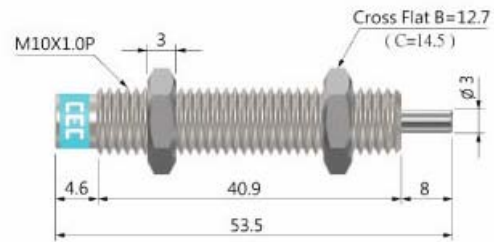


型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
SC 1005-3	M10 x 1.0	5	2	6.3 ~ 25	0.8	4,800	3.7 ~ 8.6	-10 ~ 70

SC1008

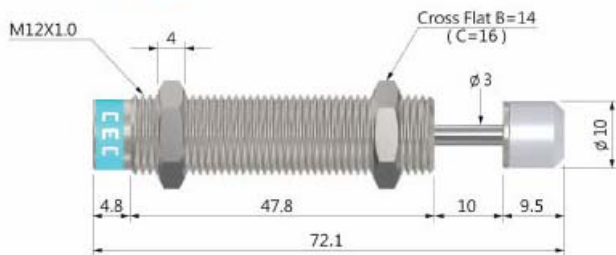


SC1008-NC

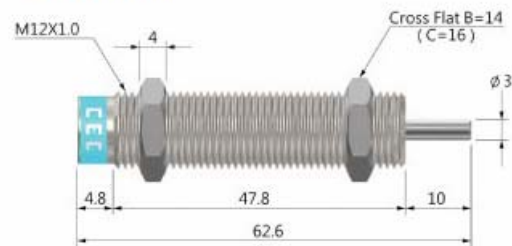


型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
SC 1008-1	M10 x 1.0	8	3.2	0.9 ~ 10	2.6	7,680	3.5 ~ 6.5	-10 ~ 70
SC 1008-2	M10 x 1.0	8	3.2	2.8 ~ 17.8	1.5	7,680	3.5 ~ 6.5	-10 ~ 70
SC 1008-3	M10 x 1.0	8	3.2	10 ~ 40	0.8	7,680	3.5 ~ 6.5	-10 ~ 70

SC1210

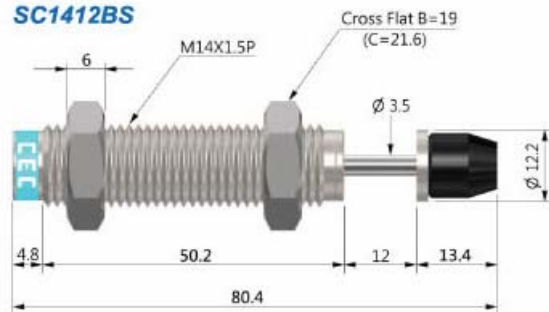


SC1210-NC

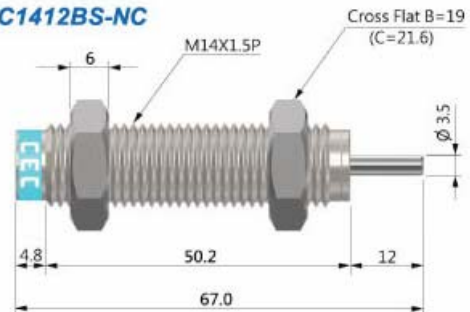


型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
SC 1210-1	M12 x 1.0	10	6	1.8 ~ 18.8	2.6	14,400	4 ~ 9	-10 ~ 70
SC 1210-2	M12 x 1.0	10	6	5.3 ~ 33	1.5	14,400	4 ~ 9	-10 ~ 70
SC 1210-3	M12 x 1.0	10	6	12 ~ 75	0.8	14,400	4 ~ 9	-10 ~ 70

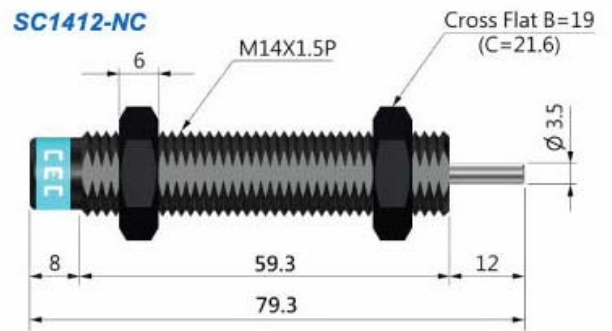
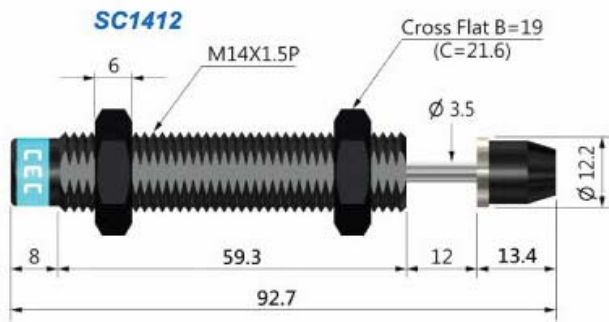
SC1412BS



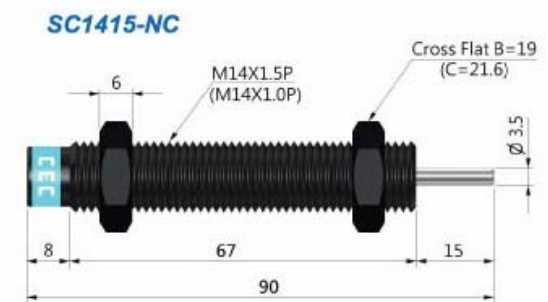
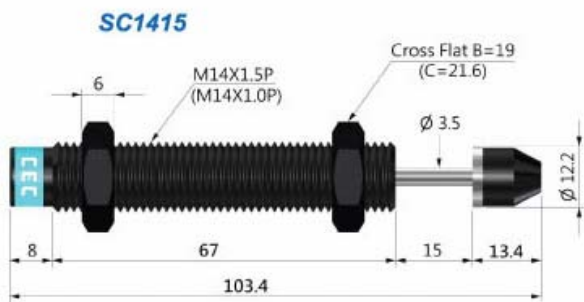
SC1412BS-NC



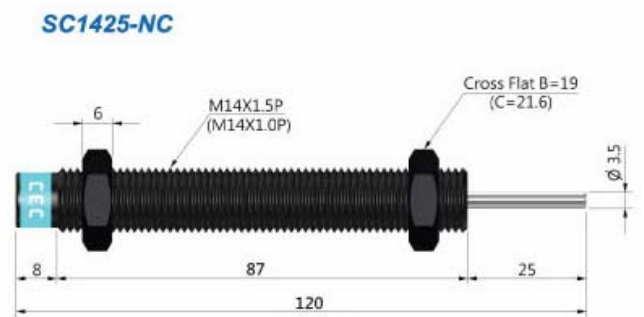
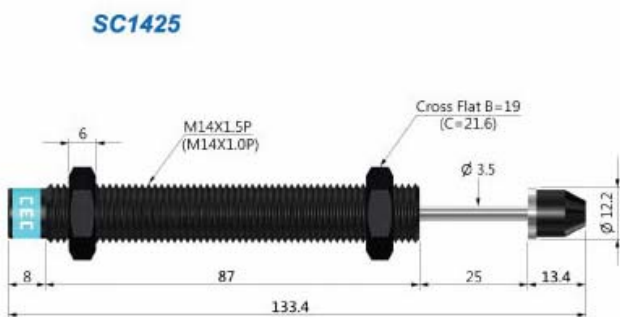
型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
SC 1412BS-1	M14 x 1.5	12	16	4.7 ~ 32	2.6	28,800	4.4 ~ 9.2	-10 ~ 70
SC 1412BS-2	M14 x 1.5	12	16	14 ~ 65	1.5	28,800	4.4 ~ 9.2	-10 ~ 70
SC 1412BS-3	M14 x 1.5	12	16	56 ~ 200	0.8	28,800	4.4 ~ 9.2	-10 ~ 70



型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
SC 1412-1	M14 x 1.5	12	16	4.7 ~ 32	2.6	28,800	6.1 ~ 14	-10 ~ 70
SC 1412-2	M14 x 1.5	12	16	14 ~ 65	1.5	28,800	6.1 ~ 14	-10 ~ 70
SC 1412-3	M14 x 1.5	12	16	56 ~ 200	0.8	28,800	6.1 ~ 14	-10 ~ 70

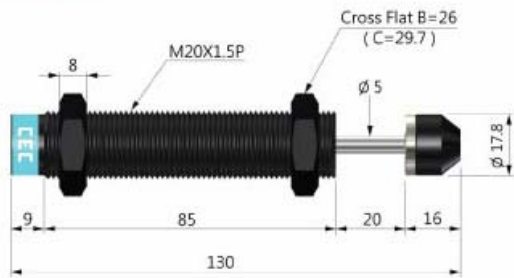


型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
SC 1415-1	M14 x 1.0 M14 x 1.5	15	20	5.9 ~ 40	2.6	36,000	6.1 ~ 15	-10 ~ 70
SC 1415-2	M14 x 1.0 M14 x 1.5	15	20	17.8 ~ 81.6	1.5	36,000	6.1 ~ 15	-10 ~ 70
SC 1415-3	M14 x 1.0 M14 x 1.5	15	20	62.5 ~ 250	0.8	36,000	6.1 ~ 15	-10 ~ 70

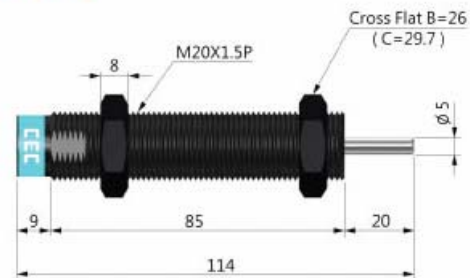


型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
SC 1425-1	M14 x 1.0 M14 x 1.5	25	28	4.6 ~ 39	3.5	58,800	6 ~ 15.5	-10 ~ 70
SC 1425-2	M14 x 1.0 M14 x 1.5	25	28	14 ~ 114	2.0	58,800	6 ~ 15.5	-10 ~ 70
SC 1425-3	M14 x 1.0 M14 x 1.5	25	28	25 ~ 350	1.5	58,800	6 ~ 15.5	-10 ~ 70

SC2020

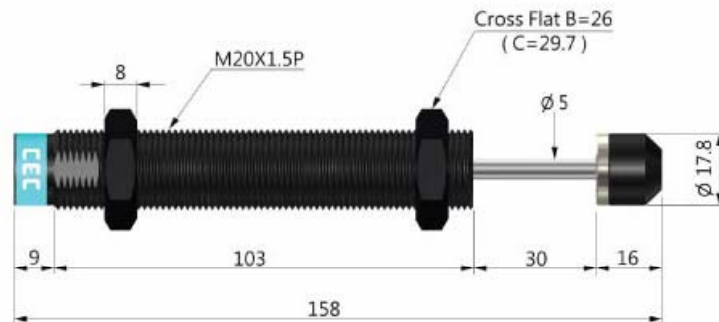


SC2020-NC



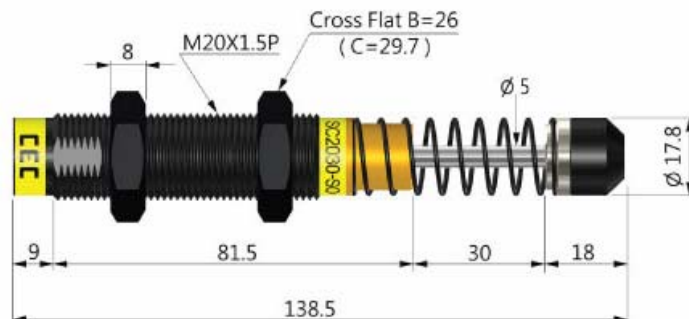
型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
SC 2020-1	M20 x 1.5	20	35	6.8 ~ 27	3.2	42,000	9 ~ 23	-10 ~ 70
SC 2020-2	M20 x 1.5	20	35	17.5 ~ 70	2.0	42,000	9 ~ 23	-10 ~ 70
SC 2020-3	M20 x 1.5	20	35	48.6 ~ 777	1.0	42,000	9 ~ 23	-10 ~ 70

SC2030



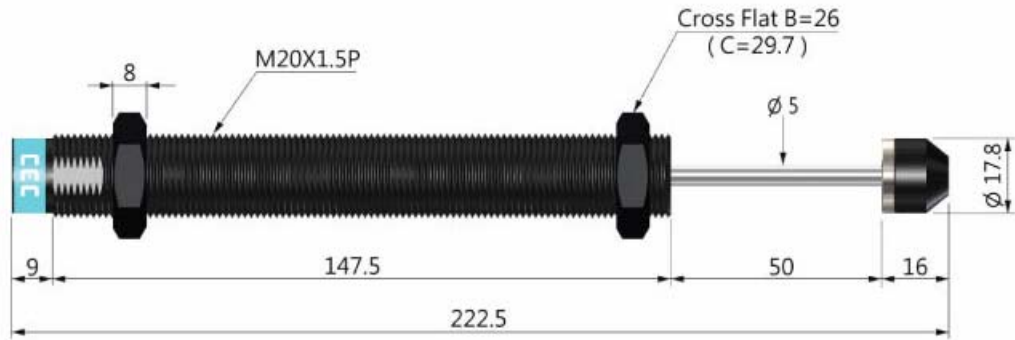
型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
SC 2030-1	M20 x 1.5	30	46	9 ~ 36	3.2	55,200	8.6 ~ 24	-10 ~ 70
SC 2030-2	M20 x 1.5	30	46	23 ~ 92	2.0	55,200	8.6 ~ 24	-10 ~ 70
SC 2030-3	M20 x 1.5	30	46	64 ~ 575	1.2	55,200	8.6 ~ 24	-10 ~ 70

SC2030-SO



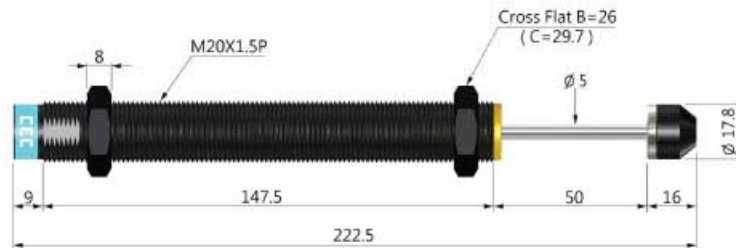
型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
SC 2030-2 SO	M20 x 1.5	30	46	23 ~ 92	2.0	55,200	7.4 ~ 18	-10 ~ 70

SC2050



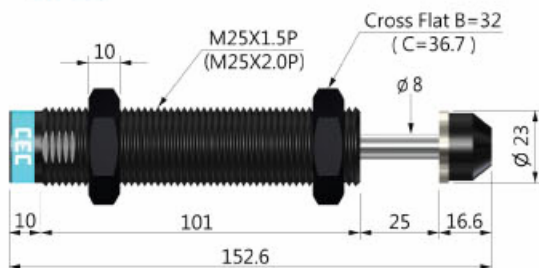
型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
SC 2050-1	M20 x 1.5	50	62	10.1 ~ 124	3.5	63,240	9 ~ 25	-10 ~ 70
SC 2050-2	M20 x 1.5	50	62	18.3 ~ 253	2.6	63,240	9 ~ 25	-10 ~ 70
SC 2050-3	M20 x 1.5	50	62	55 ~ 496	1.5	63,240	9 ~ 25	-10 ~ 70

SC2050-11A

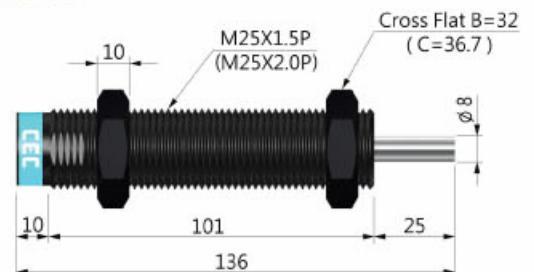


型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
SC 2050-11A	M20 x 1.5	50	62	10.1 ~ 86	3.5	63,240	7 ~ 18	-10 ~ 70
SC 2050-12A	M20 x 1.5	50	62	7.8 ~ 55	4	63,240	7 ~ 18	-10 ~ 70
SC 2050-13A	M20 x 1.5	50	62	6.1 ~ 38.3	4.5	63,240	7 ~ 18	-10 ~ 70

SC2525

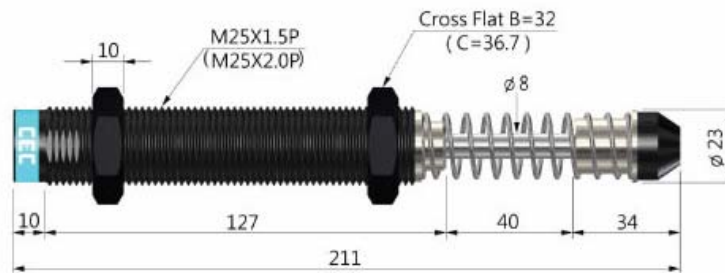


SC2525-NC



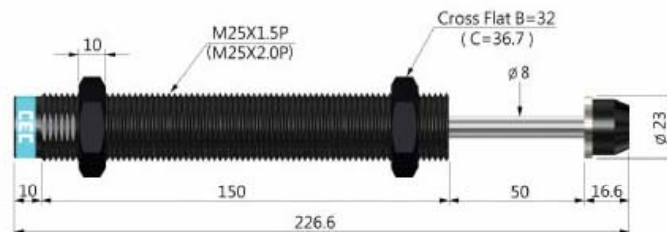
型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
SC 2525-1	M 25 x 1.5 M 25 x 2.0	25	78	15 ~ 69	3.2	70,200	8 ~ 27	-10 ~ 70
SC 2525-2	M 25 x 1.5 M 25 x 2.0	25	78	39 ~ 433	2.0	70,200	8 ~ 27	-10 ~ 70
SC 2525-3	M 25 x 1.5 M 25 x 2.0	25	78	108 ~ 1733	1.2	70,200	8 ~ 27	-10 ~ 70

SC2540



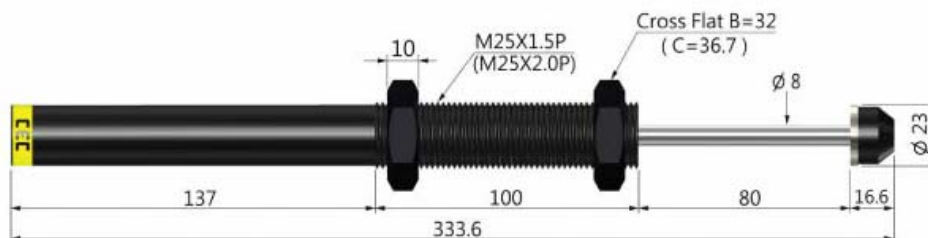
型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
SC 2540-1	M 25 x 1.5 M 25 x 2.0	40	122	20 ~ 108	3.5	87,840	13.7 ~ 41	-10 ~ 70
SC 2540-2	M 25 x 1.5 M 25 x 2.0	40	122	50 ~ 381	2.2	87,840	13.7 ~ 41	-10 ~ 70
SC 2540-3	M 25 x 1.5 M 25 x 2.0	40	122	244 ~ 1991	1.0	87,840	13.7 ~ 41	-10 ~ 70

SC2550



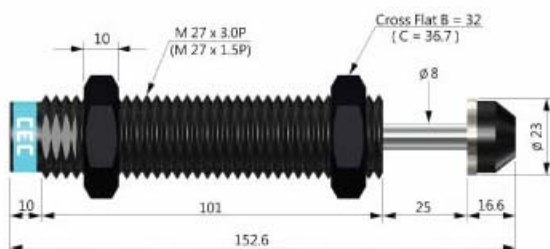
型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
SC 2550-1	M 25 x 1.5 M 25 x 2.0	50	140	20 ~ 124	3.7	100,800	13 ~ 28	-10 ~ 70
SC 2550-2	M 25 x 1.5 M 25 x 2.0	50	140	48 ~ 438	2.4	100,800	13 ~ 28	-10 ~ 70
SC 2550-3	M 25 x 1.5 M 25 x 2.0	50	140	194 ~ 2286	1.2	100,800	13 ~ 28	-10 ~ 70

SC2580

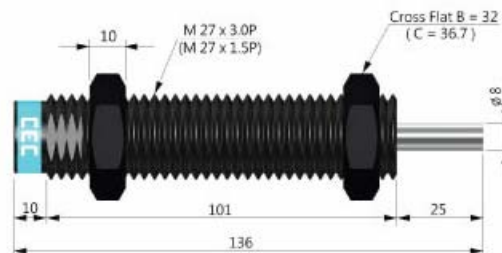


型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
SC 2580-1	M 25 x 1.5 M 25 x 2.0	80	198	24.7 ~ 99	4	118,800	12 ~ 27	-10 ~ 70
SC 2580-2	M 25 x 1.5 M 25 x 2.0	80	198	44 ~ 396	3.0	118,800	12 ~ 27	-10 ~ 70
SC 2580-3	M 25 x 1.5 M 25 x 2.0	80	198	176 ~ 1,584	1.5	118,800	12 ~ 27	-10 ~ 70

SC2725

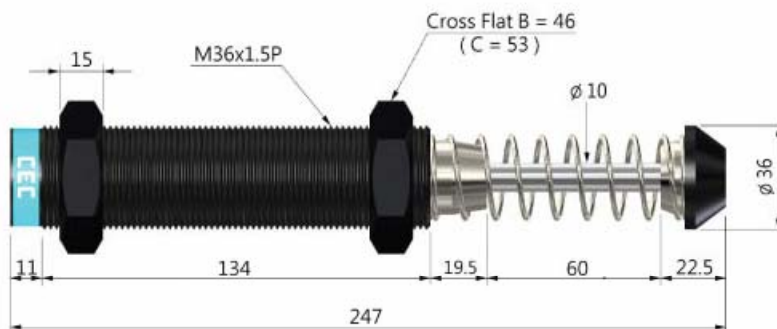


SC2725-NC



型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
SC 2725-1	M27 x 3.0 M27 x 1.5	25	78	15 ~ 69	3.2	70,200	8 ~ 27	-10 ~ 70
SC 2725-2	M27 x 3.0 M27 x 1.5	25	78	39 ~ 433	2.0	70,200	8 ~ 27	-10 ~ 70
SC 2725-3	M27 x 3.0 M27 x 1.5	25	78	108 ~ 1733	1.2	70,200	8 ~ 27	-10 ~ 70

SC3660

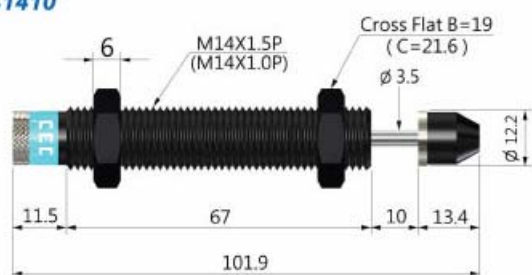


型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
SC 3660-1	M36 x 1.5	60	260	57 ~ 231	3.0	124,800	15 ~ 58	-10 ~ 70
SC 3660-2	M36 x 1.5	60	260	130 ~ 813	2.0	124,800	15 ~ 58	-10 ~ 70
SC 3660-3	M36 x 1.5	60	260	520 ~ 3250	1.0	124,800	15 ~ 58	-10 ~ 70

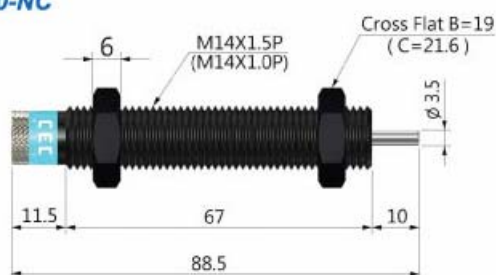


CEC SHOCK ABSORBERS USING IN ROBOT PICKER
CEC緩衝器使用於機器手臂

FC1410

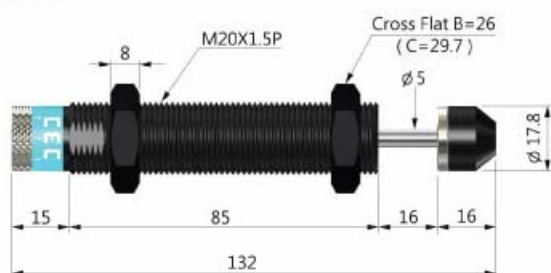


FC1410-NC



型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
FC 1410	M14 x 1.0 M14 x 1.5	10	15	2.9 ~ 120	3.2	27,000	5 ~ 12	-10 ~ 70

FC2016

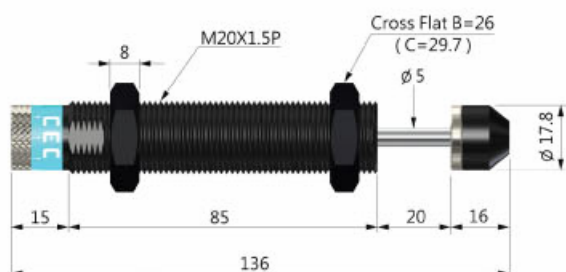


FC2016-NC

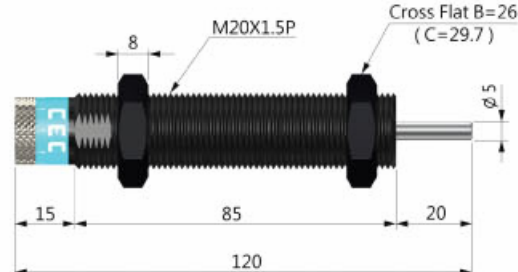


型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
FC 2016	M20 x 1.5	16	28	5.4 ~ 224	3.2	33,600	9.8 ~ 20	-10 ~ 70

FC2020

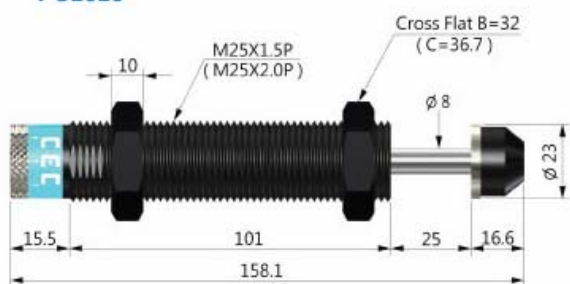


FC2020 NC

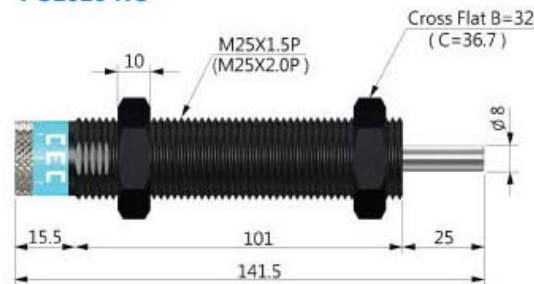


型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
FC 2020	M20 x 1.5	20	35	6.8 ~ 280	3.2	42,000	9 ~ 23	-10 ~ 70

FC2525

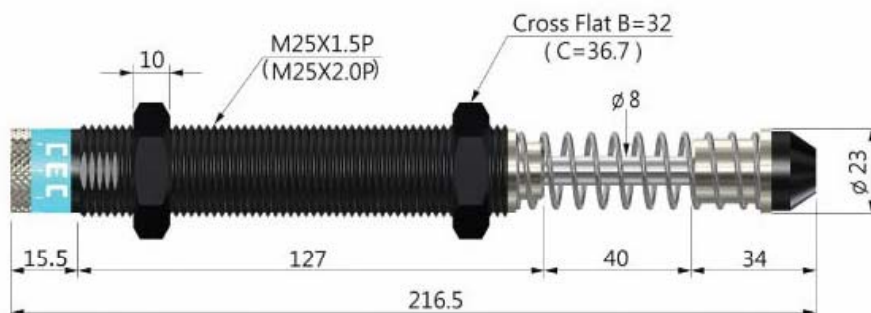


FC2525-NC



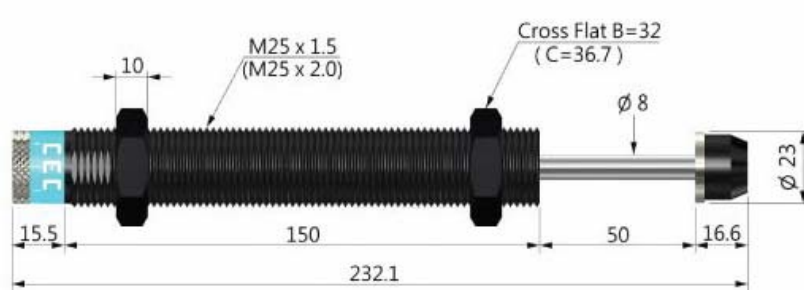
型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
FC 2525	M25 x 1.5 M25 x 2.0	25	78	15 ~ 624	3.2	70,200	9.6 ~ 28	-10 ~ 70

FC2540



型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
FC 2540	M25 x 1.5 M25 x 2.0	40	122	23.8 ~ 976	3.2	87,840	13.7 ~ 41	-10 ~ 70

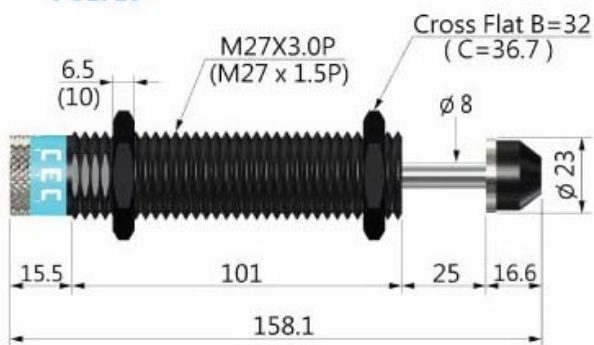
FC2550



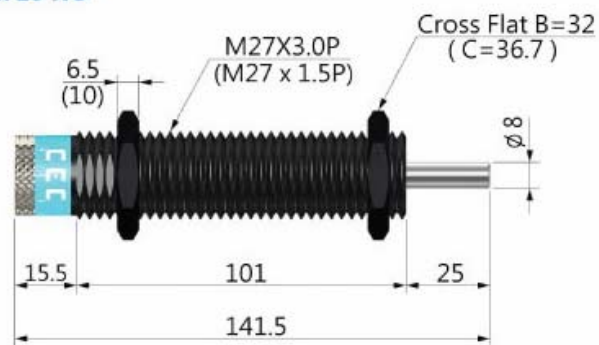
型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
FC 2550	M25 x 1.5 M25 x 2.0	50	140	27 ~ 1,120	3.2	100,800	13 ~ 28	-10 ~ 70

FC 系列

FC2725

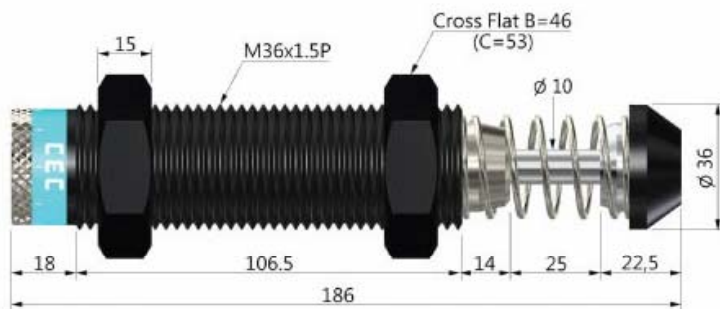


FC2725-NC



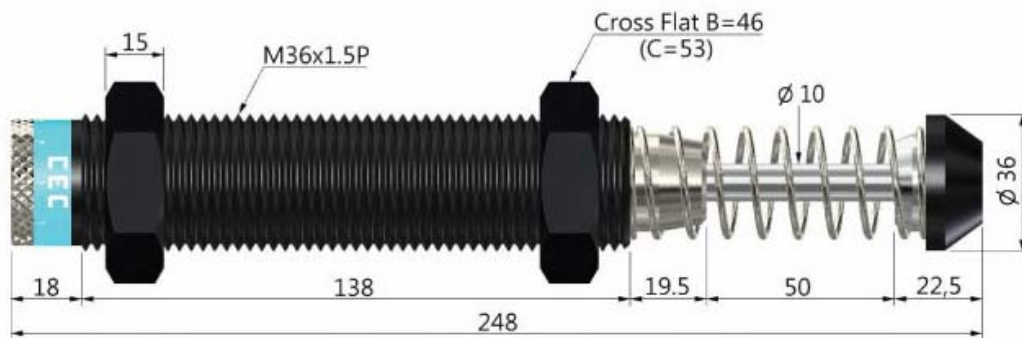
型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
FC 2725	M27 x 3.0 M27 x 1.5	25	78	15 ~ 624	3.2	70,200	8 ~ 27	-10 ~ 70

FC3625



型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
FC 3625	M36 x 1.5	25	110	21 ~ 880	3.2	52,800	15.8 ~ 45	-10 ~ 70

FC3650



型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
FC 3650	M36 x 1.5	50	220	43 ~ 1760	3.2	105,600	16.5 ~ 49.5	-10 ~ 70

SCS1412-NC



型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
SCS1412-1NC		12	16	4.7 ~ 32	2.6	28,800	6.1 ~ 14	-10 ~ 70
SCS1412-2NC		12	16	14 ~ 50	1.5	28,800	6.1 ~ 14	-10 ~ 70
SCS1412-3NC		12	16	50 ~ 200	0.8	28,800	6.1 ~ 14	-10 ~ 70

SCS2010-NC



型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
SCS2010-1NC		10	18	3.5 ~ 14	3.0	21,600	8 ~ 24	-10 ~ 70
SCS2010-2NC		10	18	9 ~ 36	2.0	21,600	8 ~ 24	-10 ~ 70
SCS2010-3NC		10	18	25 ~ 400	1.2	21,600	8 ~ 24	-10 ~ 70

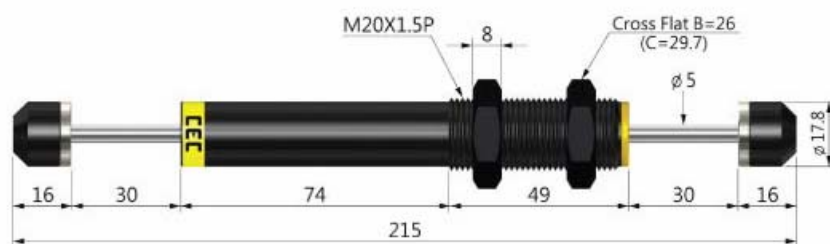
SFC 系列 阻擋缸專用可調式

ADJUSTABLE SHOCK ABSORBERS FOR INSIDE OF STOP CYLINDERS (OEM & ODM WELCOME)



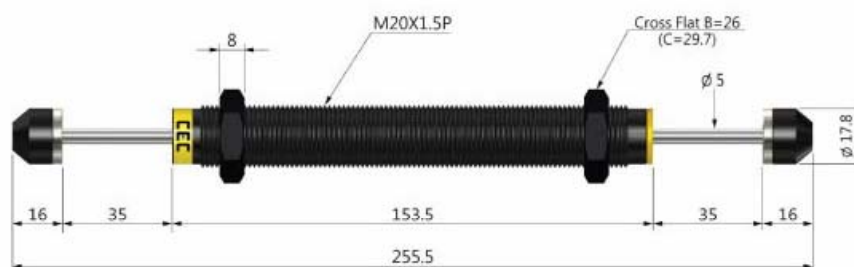
(OEM及ODM專用)

SCD 2030



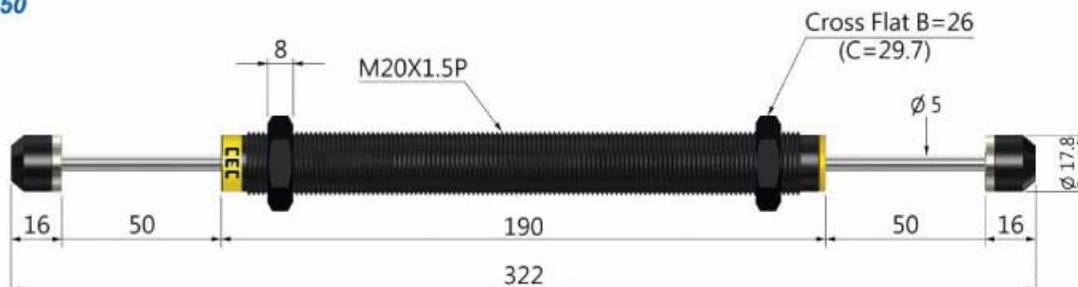
型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
SCD2030-1	M20 x 1.5	30	46	9 ~ 41	3.2	55,200	8 ~ 27	-10 ~ 70
SCD2030-2	M20 x 1.5	30	46	23 ~ 144	2.0	55,200	8 ~ 27	-10 ~ 70
SCD2030-3	M20 x 1.5	30	46	64 ~ 575	1.2	55,200	8 ~ 27	-10 ~ 70

SCD 2035

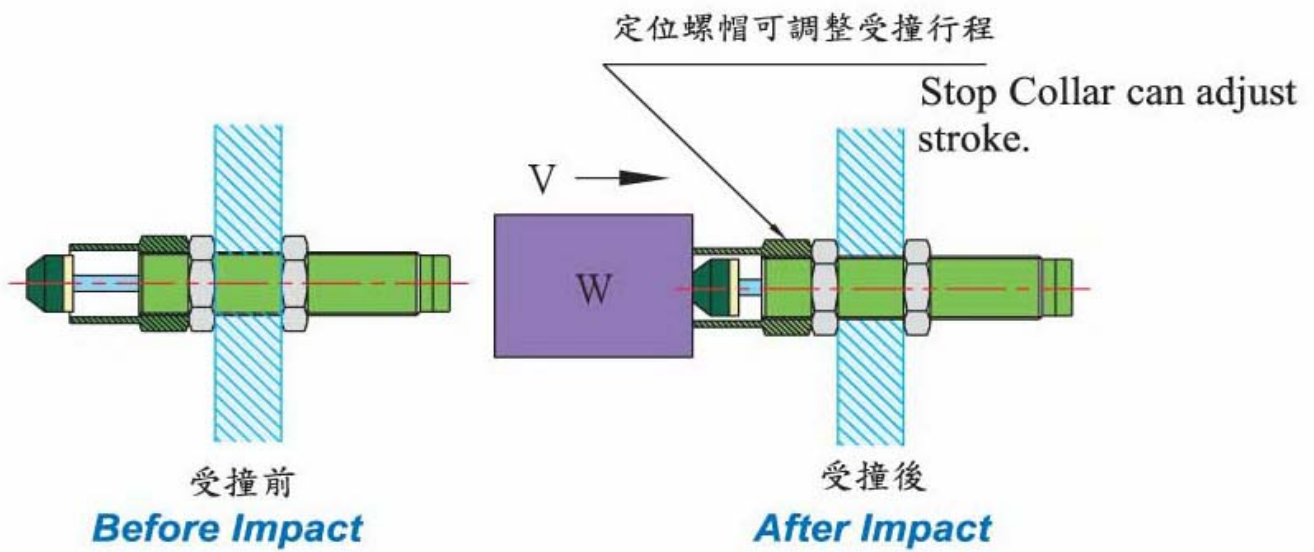


型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
SCD2035-1	M20 x 1.5	35	52	10 ~ 46	3.2	62,400	7 ~ 28	-10 ~ 70
SCD2035-2	M20 x 1.5	35	52	26 ~ 162	2.0	62,400	7 ~ 28	-10 ~ 70
SCD2035-3	M20 x 1.5	35	52	72 ~ 650	1.2	62,400	7 ~ 28	-10 ~ 70

SCD 2050



型號 MODEL	螺牙 THREAD	行程 STROKE mm	最大吸收能量 MAX NM PER CYCLE (NM)	有效重量值 EFFECTIVE MAX WE (KG)	容許速度 MAX IMPACT SPEED (M/S)	每小時吸收能量 MAX NM PER HOUR (NM)	復歸彈力 RETURN FORCE N	操作溫度 OPERATING TEMP °C
SCD2050-1	M20 x 1.5	50	62	10.1 ~ 124	3.0	63,240	7 ~ 29	-10 ~ 70
SCD2050-2	M20 x 1.5	50	62	18.3 ~ 253	2.6	63,240	7 ~ 29	-10 ~ 70
SCD2050-3	M20 x 1.5	50	62	55 ~ 496	1.5	63,240	7 ~ 29	-10 ~ 70



附件： ACCESSORIES

<p>STC08</p> <p>可配合：MATCH SC0806 S0806</p>	<p>STC20</p> <p>可配合：MATCH SC2020 SCD2030 SC2050 SCD2035 FC2016 SCD2050 FC2020 S2015</p>
<p>STC10</p> <p>可配合：MATCH SC1005 S1007 SC1008</p>	<p>STC25</p> <p>可配合：MATCH SC2525 FC2525 S2525</p>
<p>STC12</p> <p>可配合：MATCH S1210 SC1210</p>	<p>STC25L</p> <p>可配合：MATCH SC2540 FC2540 SC2550 FC2550 SC2580</p>
<p>STC14</p> <p>可配合：MATCH S1412 SC1412 SC1412BS SC1415 FC1410</p>	<p>STC36</p> <p>可配合：MATCH SC3660 FC3625 FC3650</p>

S:不可調式
NON-ADJUSTABLE

FC:可調式
ADJUSTABLE

SC: 自動補償式
SELF-COMPENSATION TYPE

SCS: 阻擋缸用
FOR STOP CYLINDER

SCD: 雙向吸收
DOUBLE CUSHION

SC - 14 - 15 - 1 - NC

外徑
TUBE O.D.

行程
STROKE mm

空白:有受撞頭

BLANK : WITH CAP

NC: 無受撞頭

NC: WITHOUT CAP

-1: 適用高速

HIGH IMPACT SPEED

-2: 適用中速

MEDIUM IMPACT SPEED

-3: 適用低速

LOW IMPACT SPEED

產品型式
TYPE



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