

# Econoloc

Econoloc Gas Springs eliminate the need for separate safety rods in critical lift-assist applications. They positively lock when fully extended, protecting the operator from potential injury in the unlikely event of Gas Spring failure through overload or misuse.

Simple to use, the lockable gas spring operates automatically. When the Gas Spring is fully extended a spring loaded locking shroud moves into place, preventing the Gas Spring from compressing. The Econoloc gas spring is manually released by applying thumb pressure to the designated area of the locking shroud, allowing the Gas Spring to compress in a controlled manner.

## Benefits



- Eliminates the need for separate safety rods in critical lift
- Safe to use with easy finger-tip control
- Operates automatically
- Custom design, sized to your application
- Fixed force setting or adjust-yourself option
- Over 2,500 different combinations

The locking shroud is finished with the same epoxy coating as the Gas Spring body, providing excellent corrosion resistance and an attractive appearance. A guide inside the shroud prevents scratching of the Gas Spring cylinder.

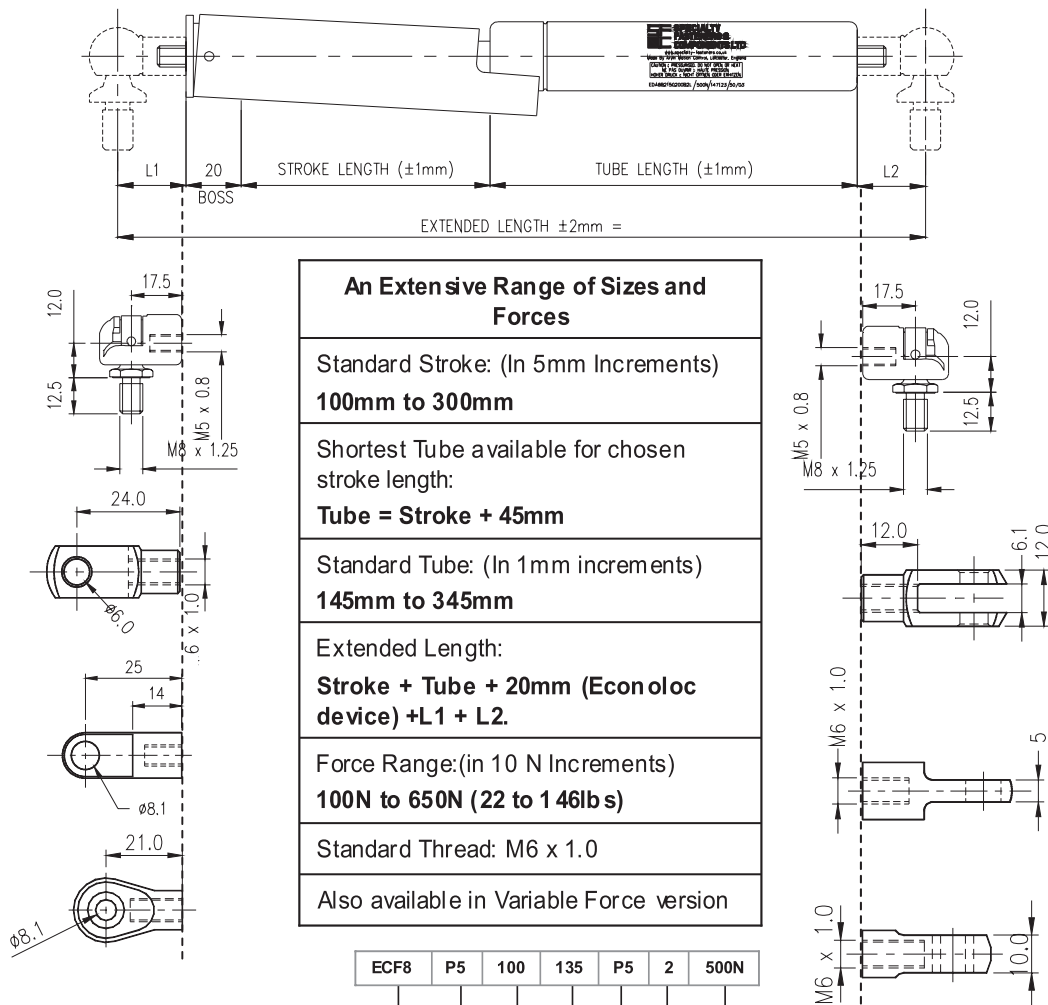
Econoloc Gas Springs offer an added safety feature required in many heavy duty applications, such as trucks, construction machinery, switch gear and agricultural equipment.



**A single Econoloc Gas spring can be used in conjunction with a standard SFC Lift Gas Spring.**

## FIXED FORCE ECONOLOC 8-18 GAS SPRING

<b>8-18 Fixed Force – Locking Safety Shroud Gas Spring</b>	
Approximate Lid Weight	10Kg to 40Kg
Piston Rod	ø 8 mm Nitrided Steel
Cylinder	ø 18 mm Steel Black Powder Coated
End Connectors	Nylon, Steel & Zinc options



**An Extensive Range of Sizes and Forces**

Standard Stroke: (In 5mm Increments)  
**100mm to 300mm**

Shortest Tube available for chosen stroke length:  
**Tube = Stroke + 45mm**

Standard Tube: (In 1mm increments)  
**145mm to 345mm**

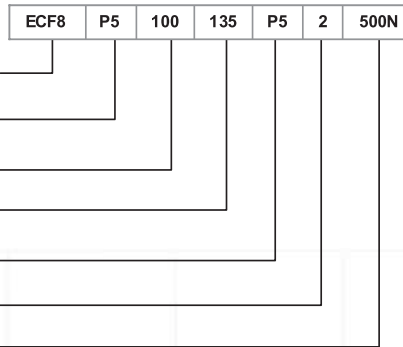
Extended Length:  
**Stroke + Tube + 20mm (Econoloc device) + L1 + L2.**


Force Range:(in 10 N Increments)  
**100N to 650N (22 to 146lbs)**

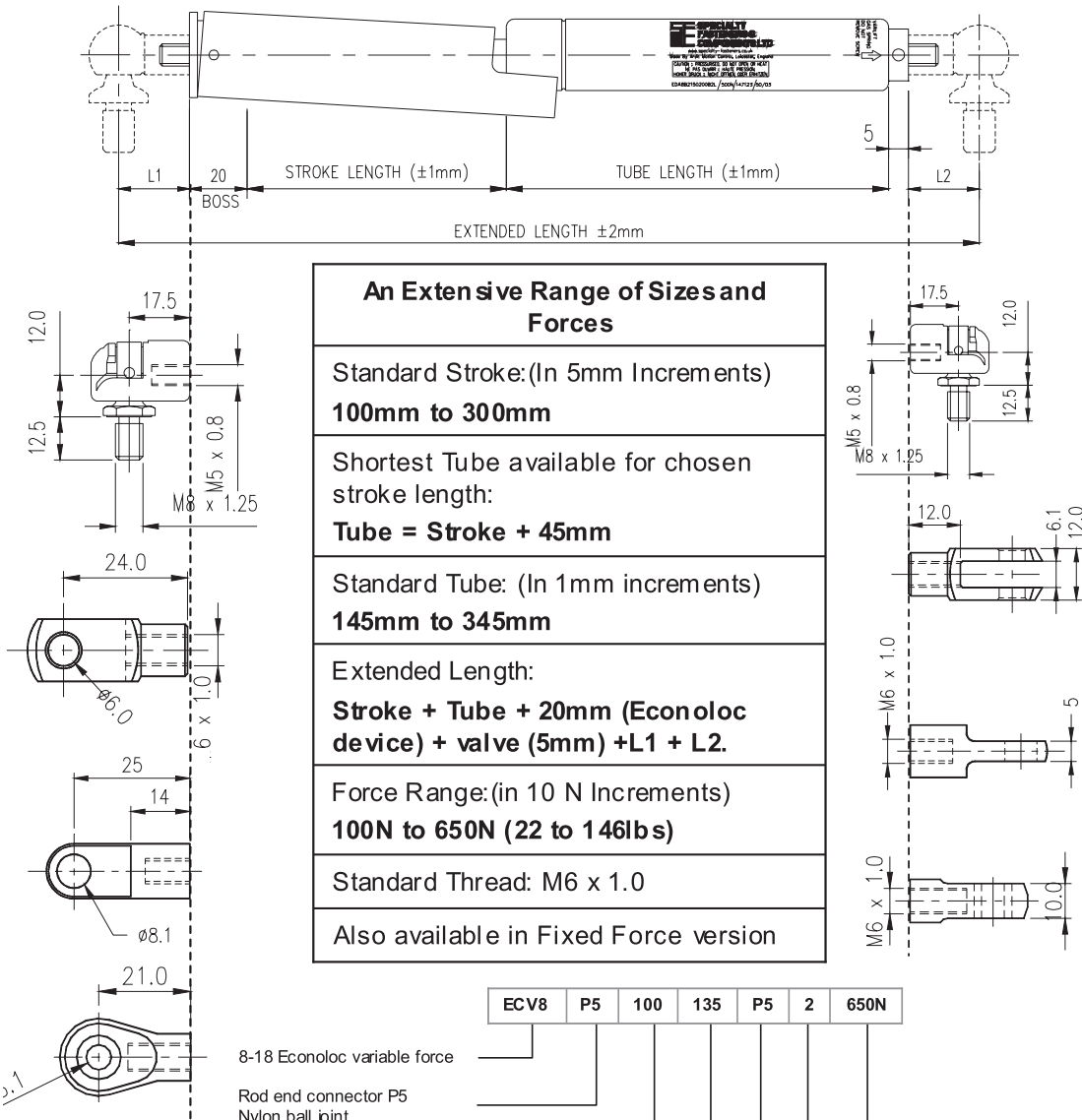
Standard Thread: M6 x 1.0

Also available in Variable Force version

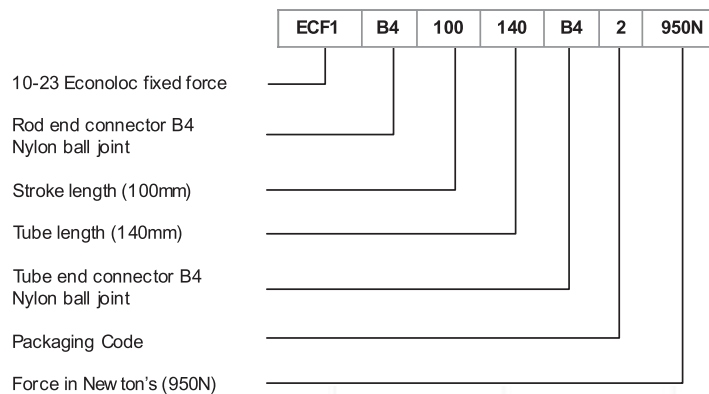
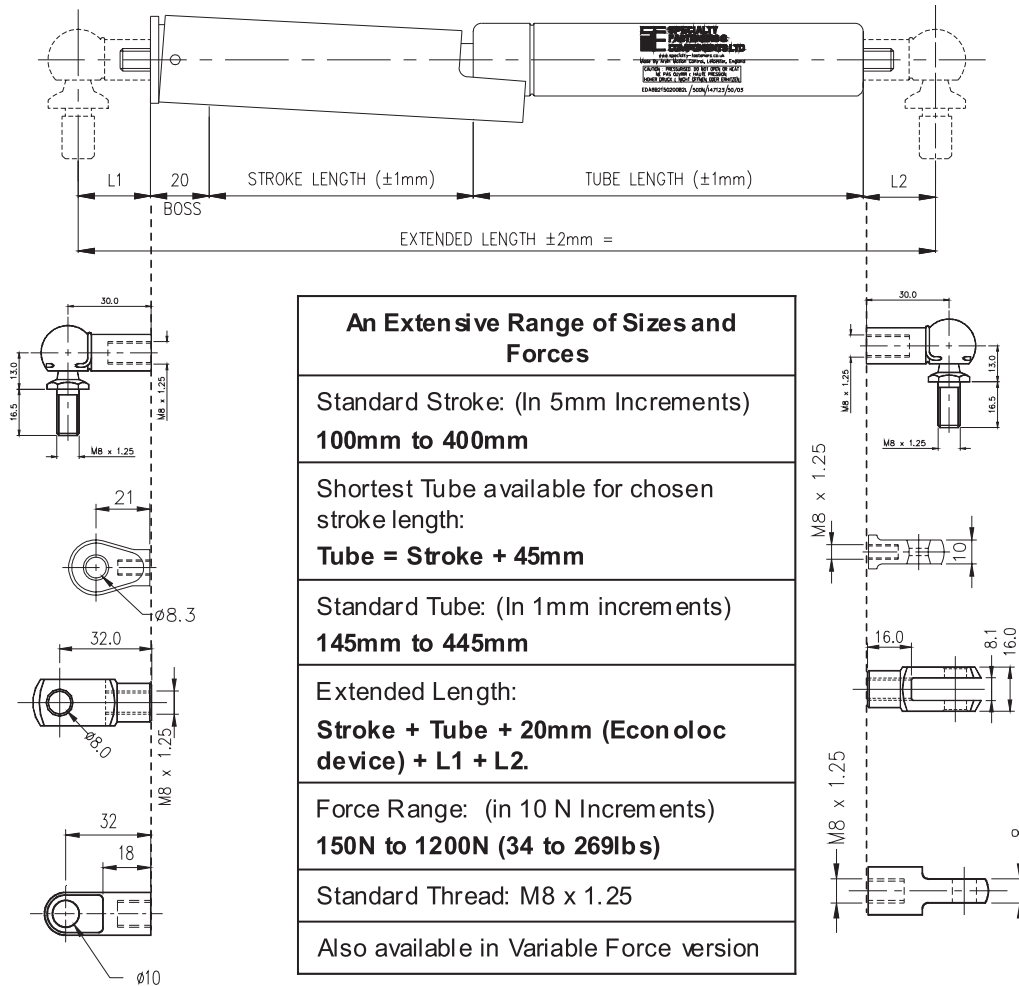
8-18 Econoloc fixed force  
Rod end connector P5  
Nylon ball joint  
Stroke length (100mm)  
Tube length (135mm)  
Tube end connector P5  
Nylon ball joint  
Packaging Code  
Force in New ton's (500N)



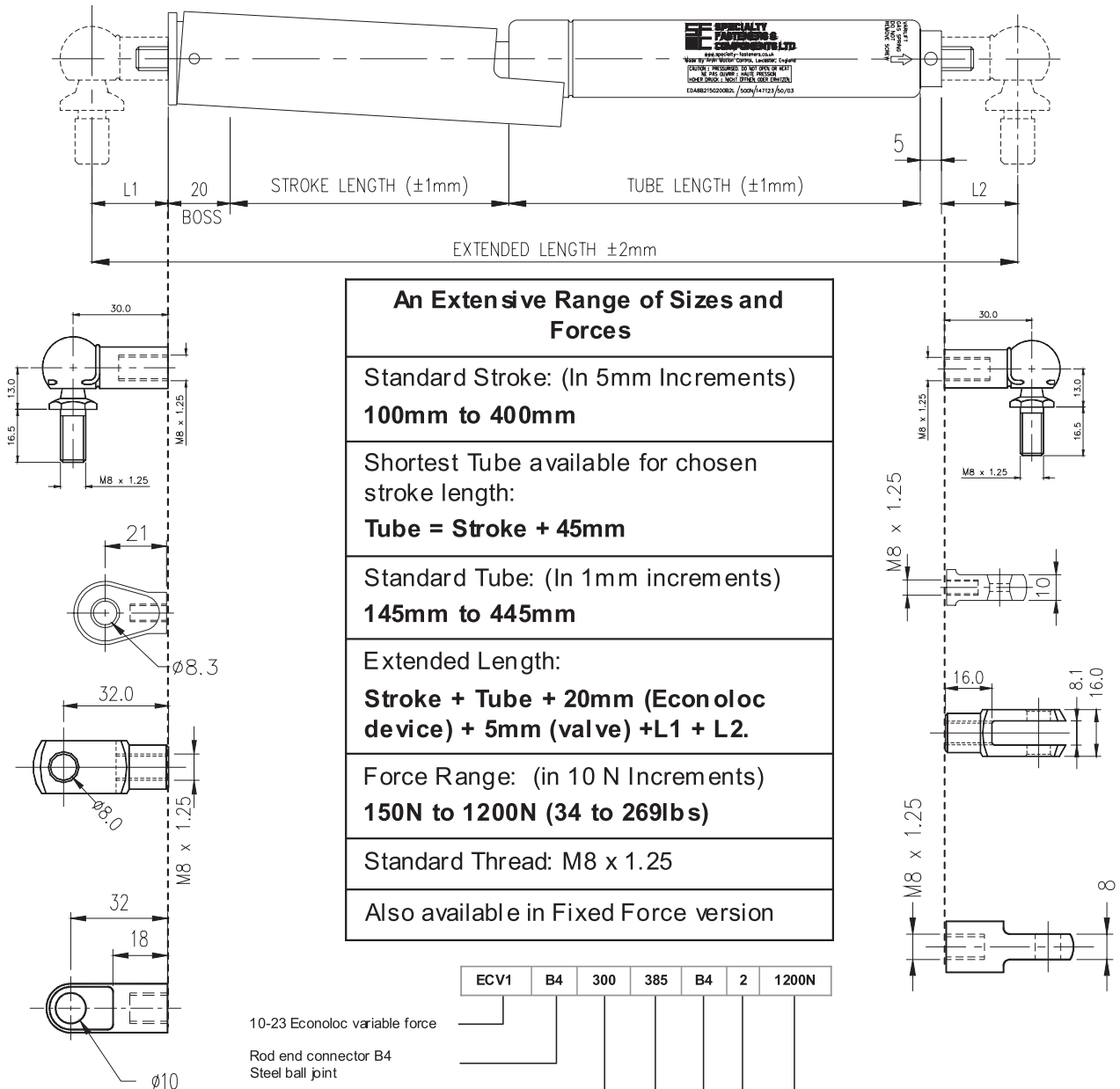
<b>8-18 Variable Force - Locking Safety Shroud Gas Spring</b>	
Approximate Lid Weight	10Kg to 40Kg
Piston Rod	∅ 8 mm Nitrided Steel
Cylinder	∅ 18 mm Steel Black Powder Coated
End Connectors	Nylon, Steel & Zinc options



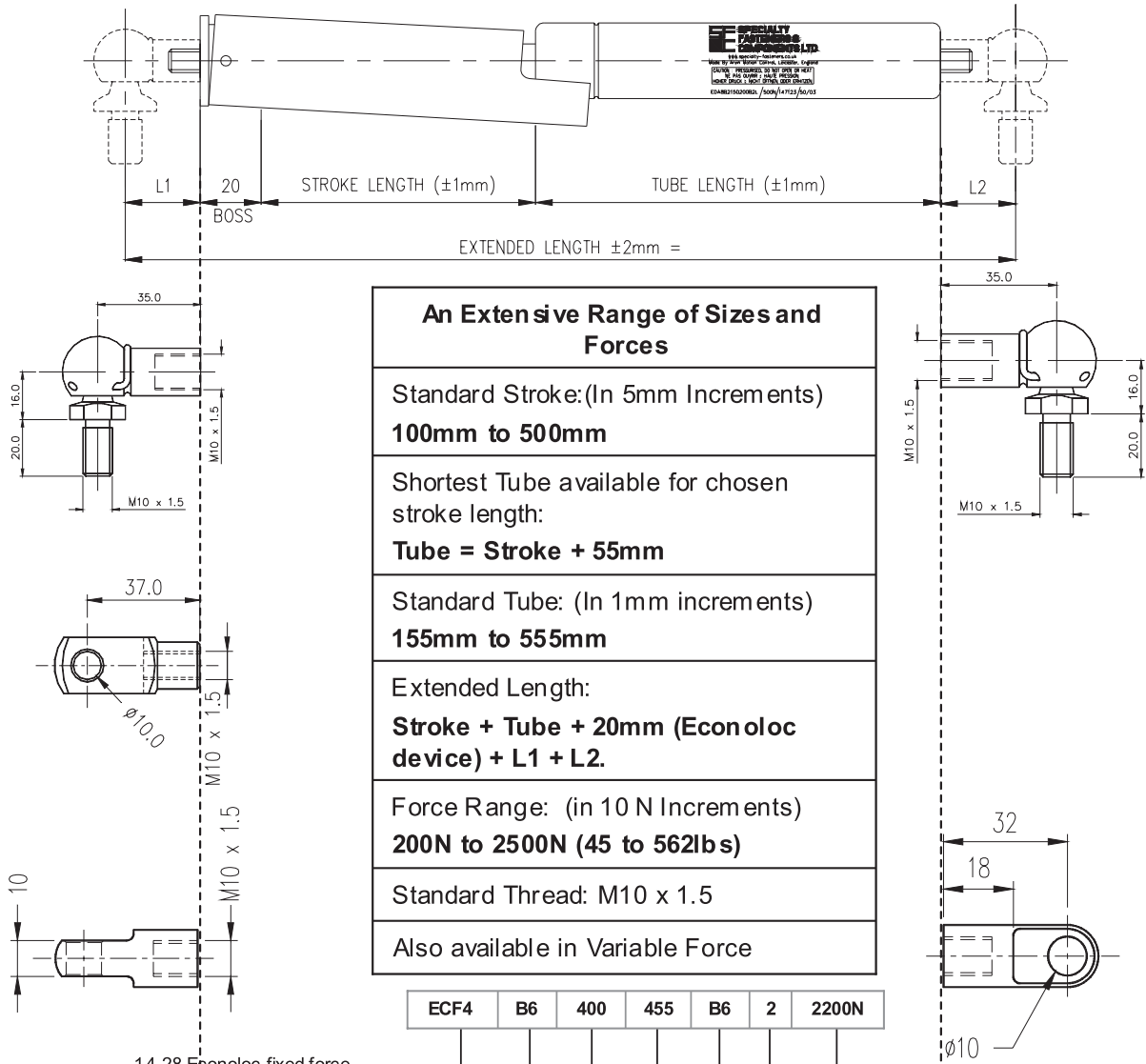
<b>10-23 Fixed Force - Locking Safety Shroud Gas Spring</b>	
Approximate Lid Weight	40Kg to 150Kg
Piston Rod	ø 10 mm Nitrided Steel
Cylinder	ø 23 mm Steel Black Powder Coated
End Connectors	Steel & Znc options



<b>10-23 Variable Force - Locking Safety Shroud Gas Spring</b>	
Approximate Lid Weight	40Kg to 150Kg
Piston Rod	∅ 10 mm Nitrided Steel
Cylinder	∅ 23 mm Steel Black Powder Coated
End Connectors	Steel & Zinc options




<b>14-28 Fixed Force - Locking Safety Shroud Gas Spring</b>	
Approximate Lid Weight	150Kg to 350Kg
Piston Rod	ø 14 mm Nitrided Steel
Cylinder	ø 28 mm Steel Black Powder Coated
End Connectors	Steel options available

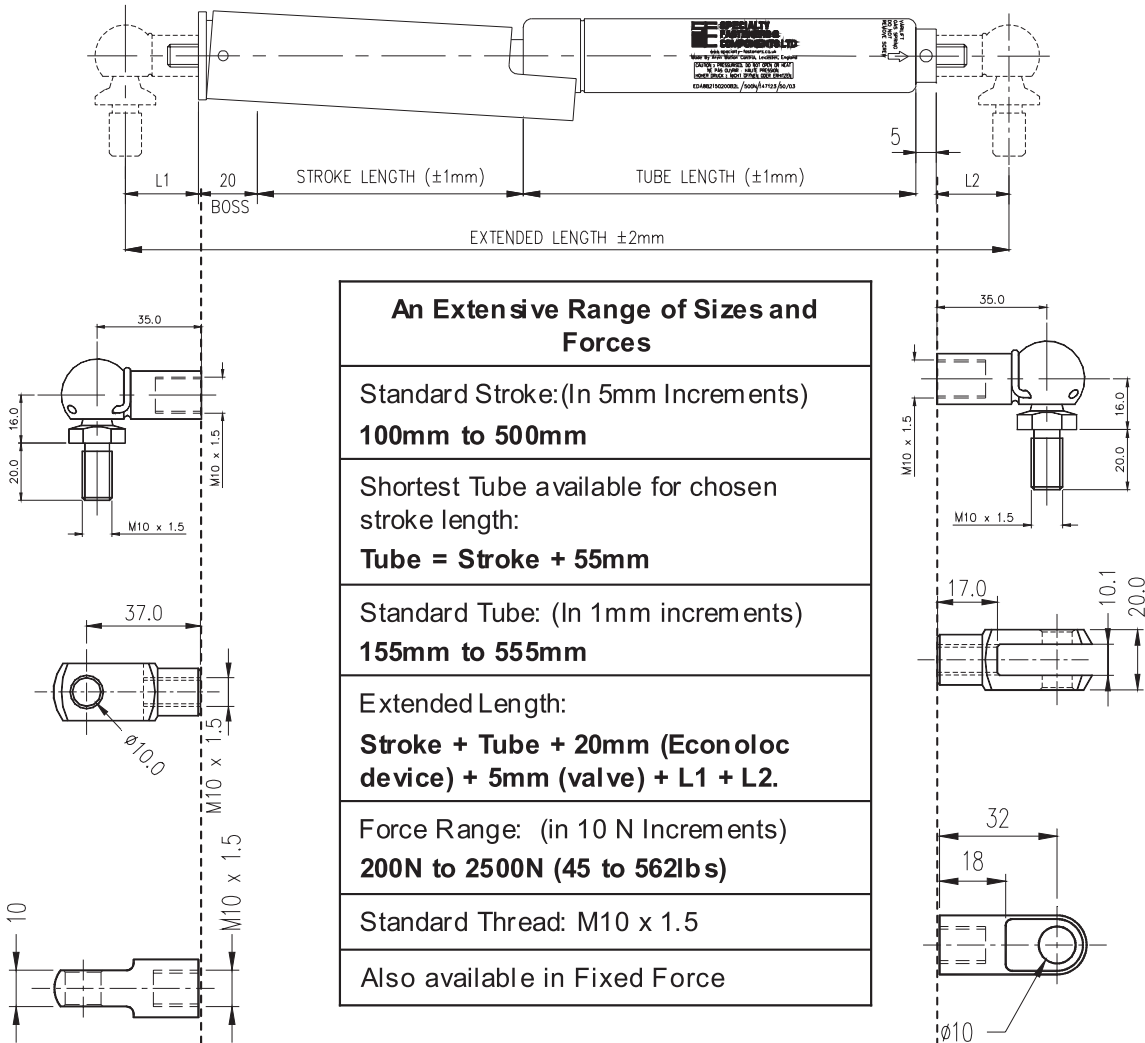


<b>An Extensive Range of Sizes and Forces</b>
Standard Stroke: (In 5mm Increments) <b>100mm to 500mm</b>
Shortest Tube available for chosen stroke length: <b>Tube = Stroke + 55mm</b>
Standard Tube: (In 1mm increments) <b>155mm to 555mm</b>
Extended Length: <b>Stroke + Tube + 20mm (Econoloc device) + L1 + L2.</b>
Force Range: (in 10 N Increments) <b>200N to 2500N (45 to 562lbs)</b>
Standard Thread: M10 x 1.5
Also available in Variable Force

14-28 Econoloc fixed force  
 Rod end connector B6  
 Steel ball joint  
 Stroke length (400mm)  
 Tube length (455mm)  
 Tube end connector B6  
 Steel ball joint  
 Packaging Code  
 Force in New ton's (2200N)

ECF4	B6	400	455	B6	2	2200N
_____	_____	_____	_____	_____	_____	_____
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<b>14-28 Variable Force - Locking Safety Shroud Gas Spring</b>	
Approximate Lid Weight	150Kg to 350Kg
Piston Rod	∅ 14 mm Nitrided Steel
Cylinder	∅ 28 mm Steel Black Powder Coated
End Connectors	Steel options available



<b>An Extensive Range of Sizes and Forces</b>
Standard Stroke: (In 5mm Increments) <b>100mm to 500mm</b>
Shortest Tube available for chosen stroke length: <b>Tube = Stroke + 55mm</b>
Standard Tube: (In 1mm increments) <b>155mm to 555mm</b>
Extended Length: <b>Stroke + Tube + 20mm (Econoloc device) + 5mm (valve) + L1 + L2.</b>
Force Range: (in 10 N Increments) <b>200N to 2500N (45 to 562lbs)</b>
Standard Thread: M10 x 1.5
Also available in Fixed Force

