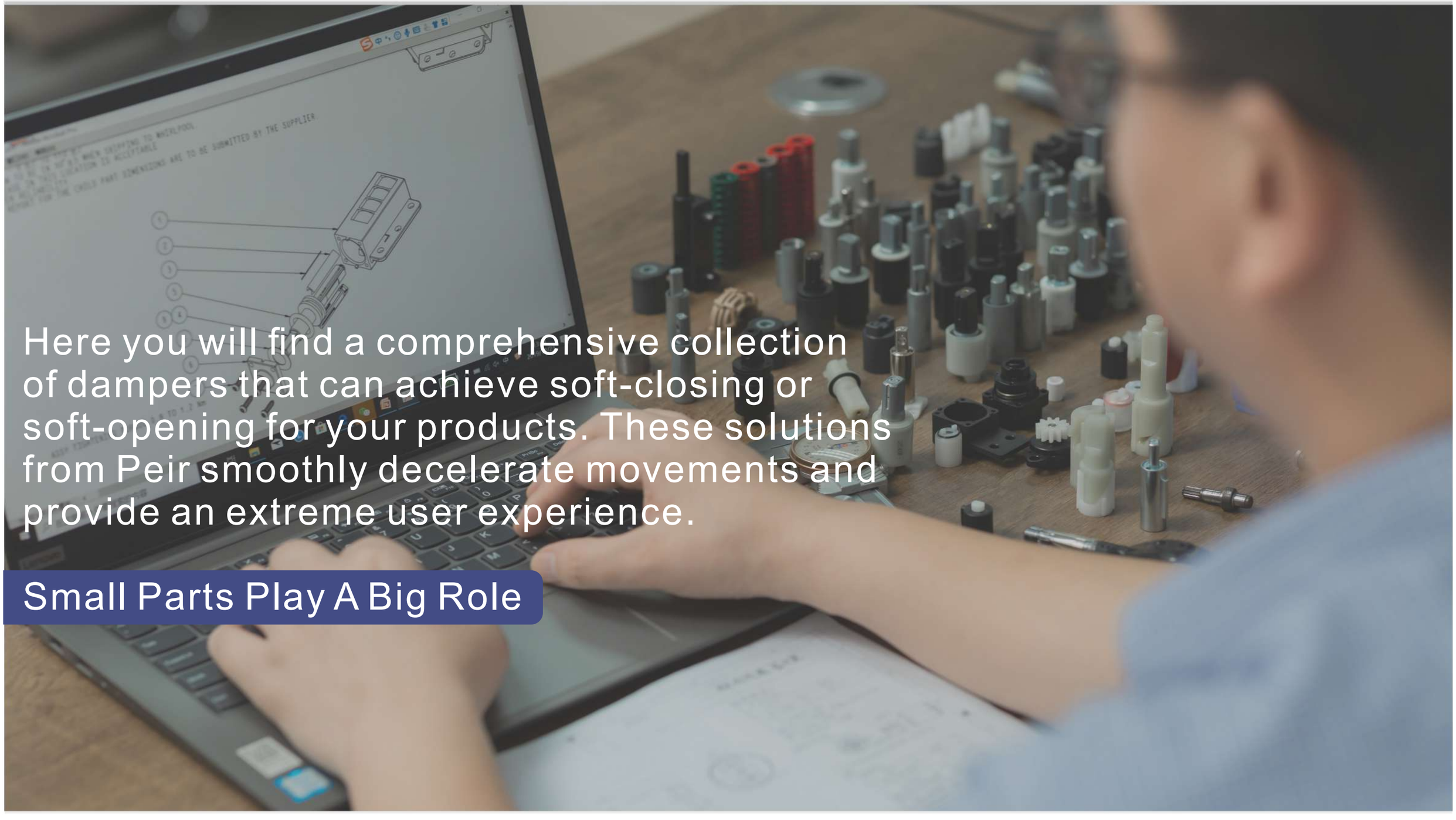
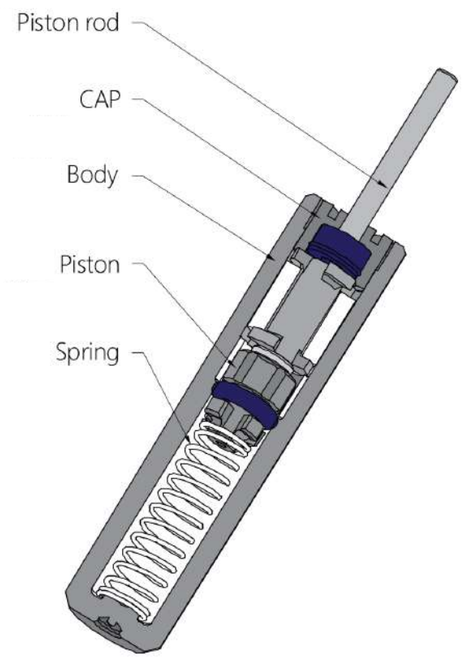
# Linear Dampers



Here you will find a comprehensive collection of dampers that can achieve soft-closing or soft-opening for your products. These solutions from Peir smoothly decelerate movements and provide an extreme user experience.

## Small Parts Play A Big Role

# Linear damper



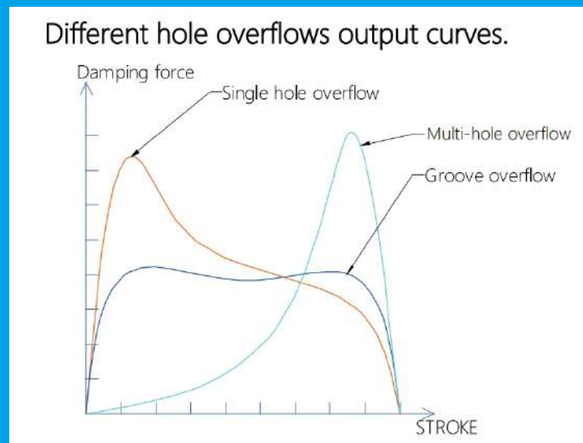

## How It Works

When an object strikes the piston rod, impact force travels through the rod to the piston, moving it downward.
Hydraulic fluid compression, passing through the overflow hole, produces damping. Hydraulic pressure, overflow hole size, oil viscosity, and impact speed collectively influence damper thrust for effective deceleration damping.

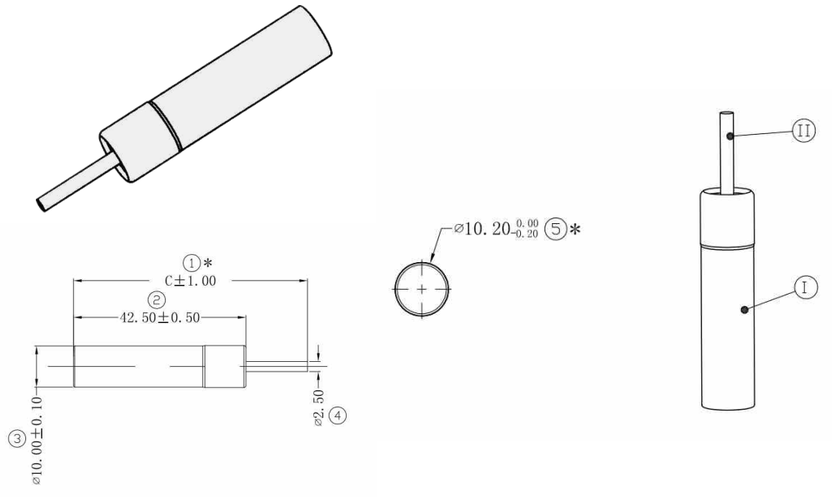
**Categories:**

-Overflow type is divided into single hole, multi-hole, etc.

-Thrust output direction is divided into push-in, pull-out , and two-way.



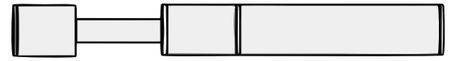

## PR-L202(Φ10mm)

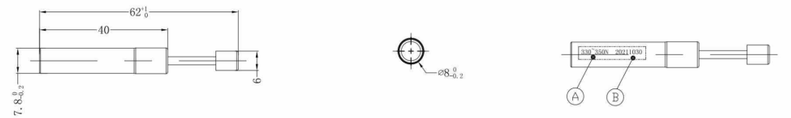



| Force |
|---|
| 120N-410N |

| Stroke | Test Speed | Dynamic Working Temperature | Shell Material | Piston rod | Oil | Life Cycles |
|---|---|---|---|---|---|---|
| 14-17mm | 13mm/s | –20°C - 120°C | SUS304 | SUS201 | Silicone Oil | 100,000 |

## PR-L223(Φ8mm)

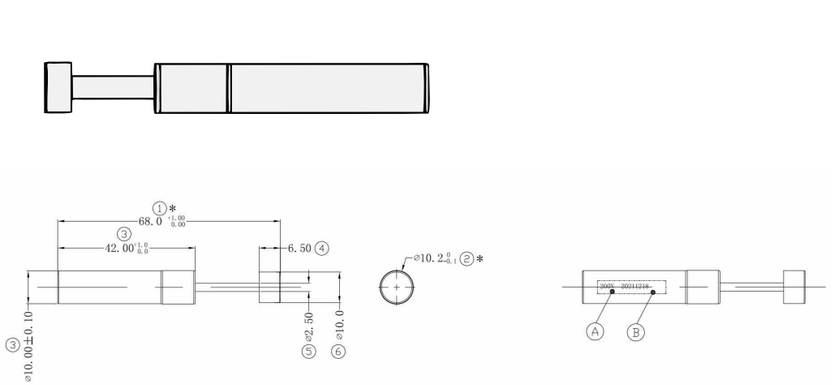





| Force |
|---|
| 7N-350N |

| Stroke | Test Speed | Dynamic Working Temperature | Shell Material | Piston rod | Oil | Life Cycles |
|---|---|---|---|---|---|---|
| 12mm | 13mm/s | –20°C - 60°C | SUS304 | SUS304 | Silicone Oil | 50,000 |

## PR-L208(Φ10mm)

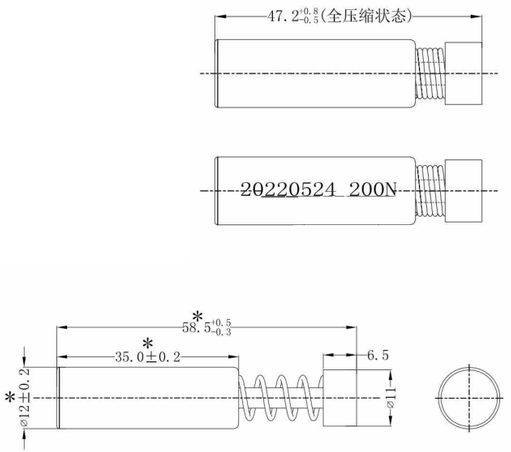



| Force |
|---|
| 7N-870N |

| Stroke | Test Speed | Dynamic Working Temperature | Shell Material | Piston rod |
|---|---|---|---|---|
| 14mm | 13mm/s | –20°C - 60°C | 25#/Electro nickelling/SUS316 | SUS201 |

| Oil | Life Cycles |
|---|---|
| Silicone Oil | 50,000 |

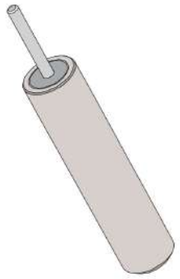
## PR-L241(Φ12mm)

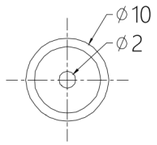


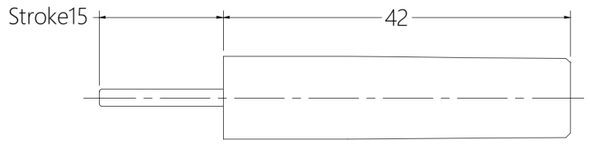

| Force |
|---|
| 200N-1200N |

| Stroke | Test Speed | Dynamic Working Temperature | Shell Material | Piston rod | Oil | Life Cycles |
|---|---|---|---|---|---|---|
| 10mm | 13mm/s | –10°C - 85°C | Aluminum alloy / Oxidized silver | SUS304 | Silicone Oil | 100,000 |

## JP-CA10(Φ10mm)





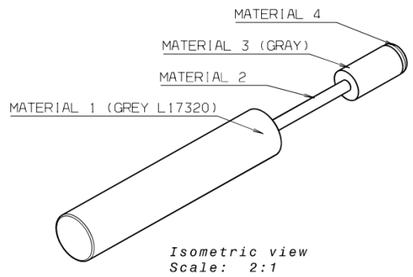



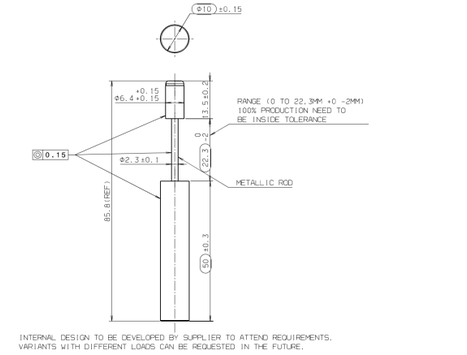

| Force |
|---|
| 100-300N |

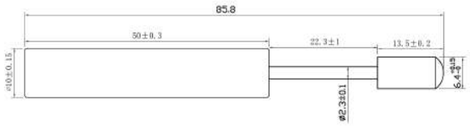
| Static Storage Temperature | Dynamic Working Temperature | Shell Material | Piston Rod | Max Feed Speed |
|---|---|---|---|---|
| –20°C - 80°C | -10℃-50℃ | POM | SUS304 | 0.5m/sec |

| Life Cycles | Stoke |
|---|---|
| 50,000 | 15mm |

## JP-CU038(Φ10mm)



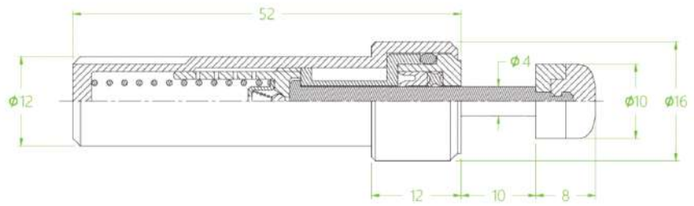




| Stroke |
|---|
| 22.3mm |

| Static Storage Temperature | Dynamic Working Temperature | Body Material | Rod Material |
|---|---|---|---|
| –20°C - 80°C | -20℃-60℃ | Plastic | Stainless Steel |

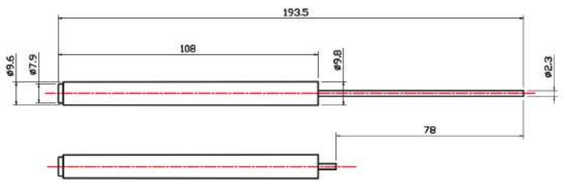
## JP-CA1210(Φ12mm)




| Stroke |
|---|
| 10mm |

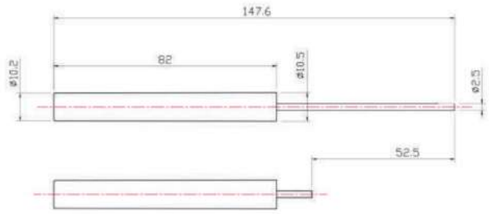
| Temperature | Head Material | Lifetime cycles | Lifetime | Body Material | Rod Material |
|---|---|---|---|---|---|
| –40°C - 80°C | POM | 2.2Mio | 15years | Stainless Steel | Stainless Steel |

## JP-801-108P (Φ9.8mm)



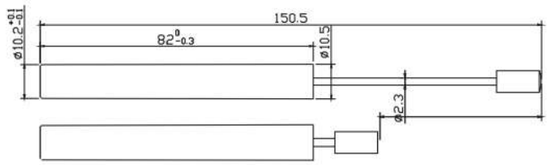

| | |
|---|---|
| **Stroke** | 78mm |
| **Dynamic Working Temperature** | –20℃-60℃ |
| **Shell Material** | POM |
| **Piston rod** | Stainless iron |
| **Oil** | Silicone Oil |
| **Life Cycles** | 50,000 |

## JP-801-82P (Φ10.5mm)



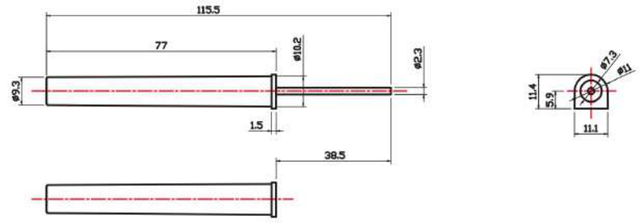

| | |
|---|---|
| **Stroke** | 52.5mm |
| **Dynamic Working Temperature** | –20℃-60℃ |
| **Shell Material** | POM |
| **Piston rod** | Stainless iron |
| **Oil** | Silicone Oil |
| **Life Cycles** | 50,000 |

## JP-801-82A (Φ10.5mm)



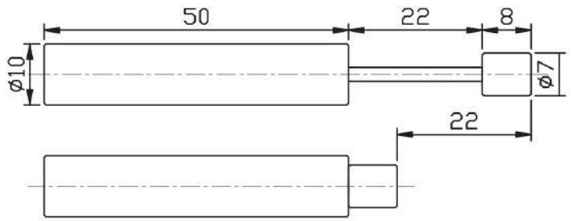

| | |
|---|---|
| **Stroke** | 45mm |
| **Dynamic Working Temperature** | –20℃-60℃ |
| **Shell Material** | POM |
| **Piston rod** | Stainless iron |
| **Oil** | Silicone Oil |
| **Life Cycles** | 50,000 |

## JP-801-77A (Φ10.2mm)



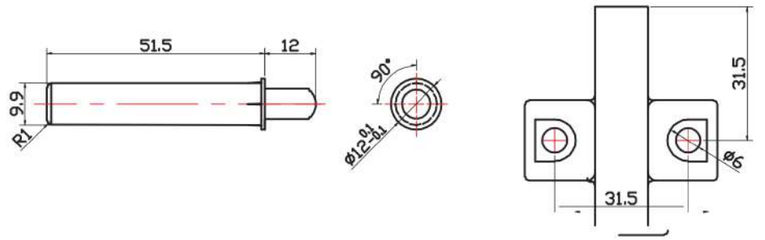

| | |
|---|---|
| **Stroke** | 38.5mm |
| **Dynamic Working Temperature** | –20℃-60℃ |
| **Shell Material** | POM |
| **Piston rod** | Stainless iron |
| **Oil** | Silicone Oil |
| **Life Cycles** | 50,000 |

## JP-801-50A (Φ10mm)



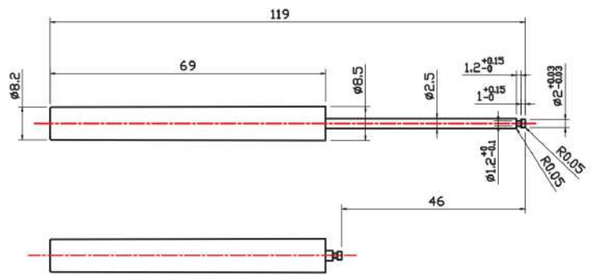

| | |
|---|---|
| **Stroke** | 22mm |
| **Dynamic Working Temperature** | –20℃-60℃ |
| **Shell Material** | POM |
| **Piston rod** | Stainless iron |
| **Oil** | Silicone Oil |
| **Life Cycles** | 100,000 |

## JP-801-M01 (Φ12mm)



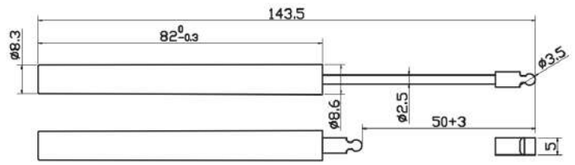

| | |
|---|---|
| **Stroke** | 12-16mm |
| **Dynamic Working Temperature** | –20℃-60℃ |
| **Shell Material** | POM |
| **Piston rod** | Stainless iron |
| **Oil** | Silicone Oil |
| **Life Cycles** | 150,000 |

## JP-802-69P (Φ8.5mm)



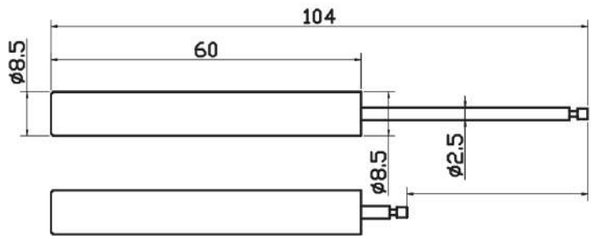

| | |
|---|---|
| **Stroke** | 46mm |
| **Dynamic Working Temperature** | –20℃-60℃ |
| **Shell Material** | POM |
| **Piston rod** | Stainless iron |
| **Oil** | Silicone Oil |
| **Life Cycles** | 50,000 |

## JP-802-82P (Φ8.6mm)



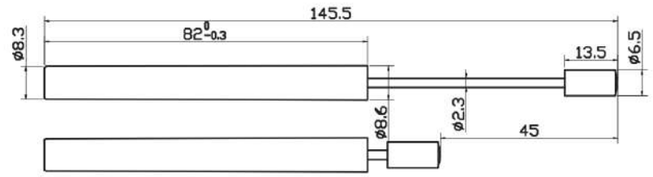

| | |
|---|---|
| **Stroke** | 50mm |
| **Dynamic Working Temperature** | –20℃-60℃ |
| **Shell Material** | POM |
| **Piston rod** | Stainless iron |
| **Oil** | Silicone Oil |
| **Life Cycles** | 50,000 |

## JP-802-60P (Φ8.5mm)



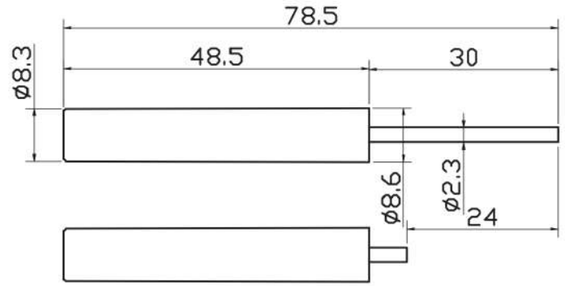

| | |
|---|---|
| **Stroke** | 35mm |
| **Dynamic Working Temperature** | –20℃-60℃ |
| **Shell Material** | POM |
| **Piston rod** | Stainless iron |
| **Oil** | Silicone Oil |
| **Life Cycles** | 50,000 |

## JP-802-82A (Φ8.6mm)



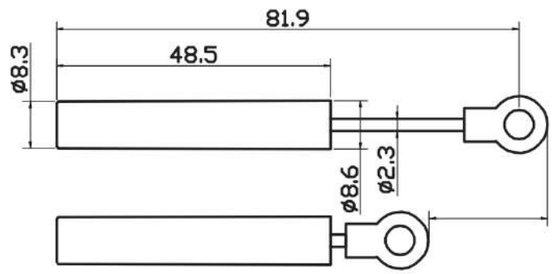

| | |
|---|---|
| **Stroke** | 45mm |
| **Dynamic Working Temperature** | –20℃-60℃ |
| **Shell Material** | POM |
| **Piston rod** | Stainless iron |
| **Oil** | Silicone Oil |
| **Life Cycles** | 50,000 |

## JP-802-49P (Φ8.6mm)



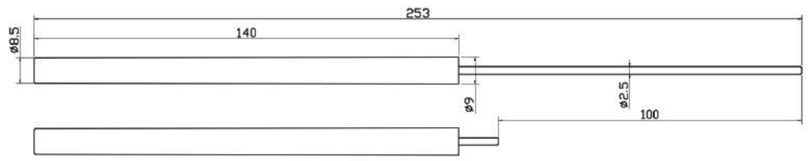

| | |
|---|---|
| **Stroke** | 24mm |
| **Dynamic Working Temperature** | –20℃-60℃ |
| **Shell Material** | POM |
| **Piston rod** | Stainless iron |
| **Oil** | Silicone Oil |
| **Life Cycles** | 150,000 |

## JP-802-49A (Φ8.6mm)



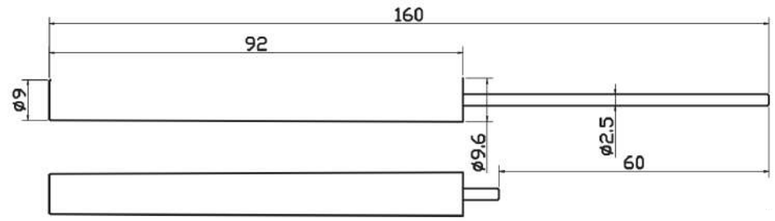

| | |
|---|---|
| **Stroke** | 20mm |
| **Dynamic Working Temperature** | –20℃-60℃ |
| **Shell Material** | POM |
| **Piston rod** | Stainless iron |
| **Oil** | Silicone Oil |
| **Life Cycles** | 150,000 |

## JP-803-140P (Φ9mm)



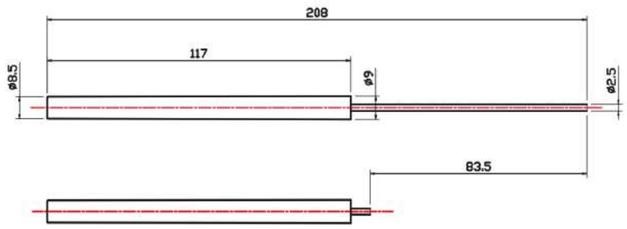

| | |
|---|---|
| **Stroke** | 100mm |
| **Dynamic Working Temperature** | –20℃-60℃ |
| **Shell Material** | POM |
| **Piston rod** | Stainless iron |
| **Oil** | Silicone Oil |
| **Life Cycles** | 50,000 |

## JP-803-92P (Φ9.6mm)



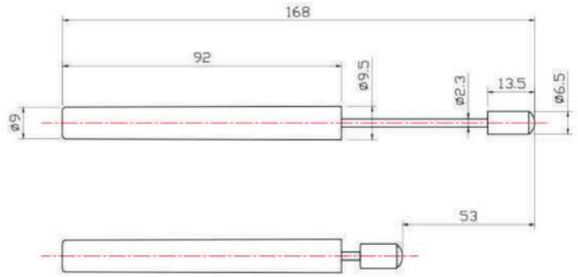

| | |
|---|---|
| **Stroke** | 60mm |
| **Dynamic Working Temperature** | –20℃-60℃ |
| **Shell Material** | POM |
| **Piston rod** | Stainless iron |
| **Oil** | Silicone Oil |
| **Life Cycles** | 50,000 |

## JP-803-117P (Φ9mm)



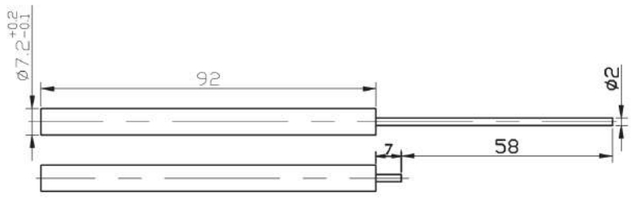

| | |
|---|---|
| **Stroke** | 83.5mm |
| **Dynamic Working Temperature** | –20℃-60℃ |
| **Shell Material** | POM |
| **Piston rod** | Stainless iron |
| **Oil** | Silicone Oil |
| **Life Cycles** | 50,000 |

## JP-803-92A (Φ9.5mm)



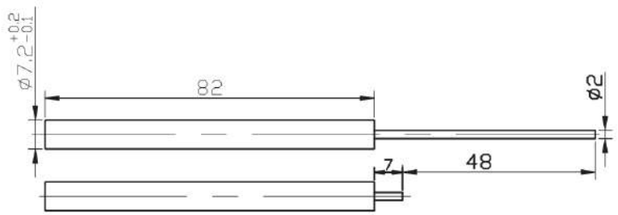

| | |
|---|---|
| **Stroke** | 53mm |
| **Dynamic Working Temperature** | –20℃-60℃ |
| **Shell Material** | POM |
| **Piston rod** | Stainless iron |
| **Oil** | Silicone Oil |
| **Life Cycles** | 50,000 |

## JP-804-92P (Φ7.2mm)



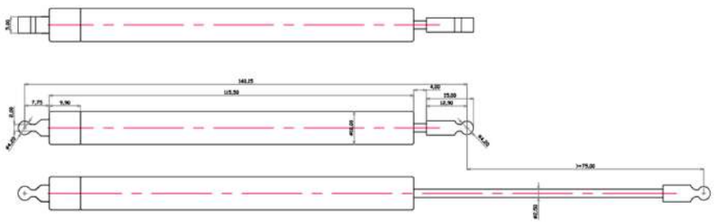

| | |
|---|---|
| **Stroke** | 58mm |
| **Dynamic Working Temperature** | –20℃-60℃ |
| **Shell Material** | POM |
| **Piston rod** | Stainless iron |
| **Oil** | Silicone Oil |
| **Life Cycles** | 100,000 |

## JP-804-82P (Φ7.2mm)



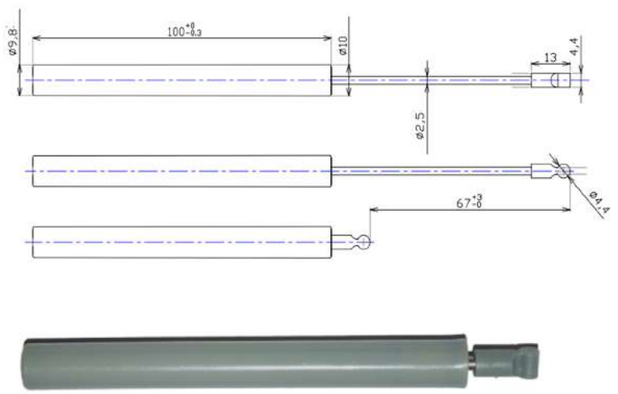

| | |
|---|---|
| **Stroke** | 48mm |
| **Dynamic Working Temperature** | –20℃-60℃ |
| **Shell Material** | POM |
| **Piston rod** | Stainless iron |
| **Oil** | Silicone Oil |
| **Life Cycles** | 50,000 |

## JP-801-115.5 (Φ10mm)



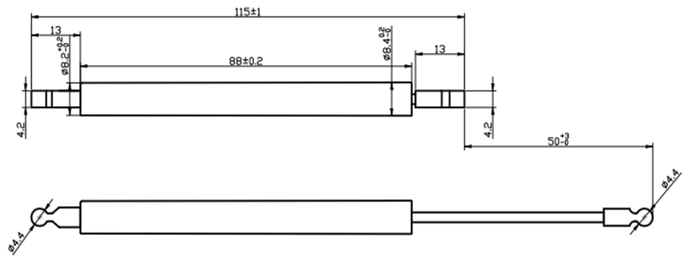
| | |
|---|---|
| **Stroke** | 75mm |
| **Dynamic Working Temperature** | –20℃-60℃ |
| **Shell Material** | POM |
| **Piston rod** | Stainless iron |
| **Oil** | Silicone Oil |
| **Life Cycles** | 50,000 |

## JP-801-100 (Φ10mm)



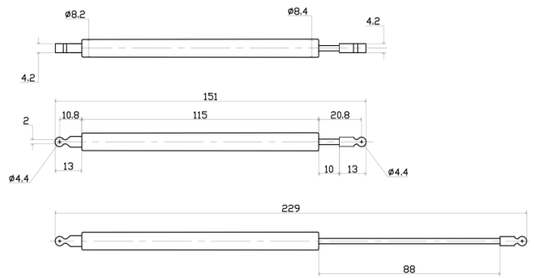

| | |
|---|---|
| **Stroke** | 67mm |
| **Dynamic Working Temperature** | –20℃-60℃ |
| **Shell Material** | POM |
| **Piston rod** | Stainless iron |
| **Oil** | Silicone Oil |
| **Life Cycles** | 50,000 |

## JP-802-88 (Φ8.4mm)




| | |
|---|---|
| **Stroke** | 50mm |
| **Dynamic Working Temperature** | –20℃-60℃ |
| **Shell Material** | POM |
| **Piston rod** | Stainless iron |
| **Oil** | Silicone Oil |
| **Life Cycles** | 50,000 |

## JP-802-115 (Φ8.4mm)




| | |
|---|---|
| **Stroke** | 88mm |
| **Dynamic Working Temperature** | –20℃-60℃ |
| **Shell Material** | POM |
| **Piston rod** | Stainless iron |
| **Oil** | Silicone Oil |
| **Life Cycles** | 50,000 |

www.peirdamper.com

Dongguan/Shanghai/Yangzhou, China

HongKong/Shenzhen,China

Rep

Greater Noida,India

Rep

São paulo,Brazil

Rep

Chihuahua Mexico

Rep

North Carolina,USA