

| Body | Nose | Spring |
|-------------------------------------|---|------------------------|
| Steel(SCM435) Black oxide finish | Steel(S45C) Induction hardened(teeth top) Heat treated to Rc52-58 | Polyurethane rubber |

| Part Number | M (Fine Thread) | L | S | d | w | w1 | Max. Pressure (N) | Weight (g) |
|--------------|--------------------|----|---|----|---|----|----------------------|---------------|
| SCD16 | M16×1.5 | 33 | 5 | 7 | 6 | 2 | 230 | 36 |
| SCD20 | M20×1.5 | 47 | 7 | 10 | | 3 | 450 | 70 |

Features

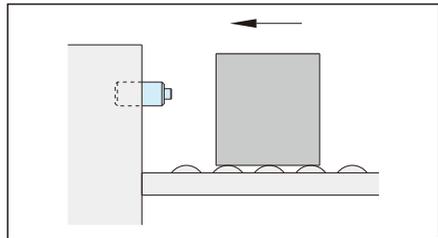
- Provided with fine-pitch threads.
- Polyurethane rubber has higher elasticity than metal spring or rubber so even smaller ones can provide a big repelling force. Thanks to high resistance to material fatigue, the elasticity can hardly be decrease.
- By applying the material characteristic of polyurethane to impact buffer, the damper has high shock absorption despite being small.
- Easy handling compared to oil buffer
- Long-term usage without any maintenance

Notes

The stated max. pressures can vary ± 10 to 15%

- Characters of polyurethane rubber
- Hydrolysis resistance
Hot and humid air, warm water and moisture may hydrolyze and deteriorate polyurethane rubber.
- Solvent resistance
Aliphatic system solvents slightly swell polyurethane rubber, but highly polar chlorinated hydrocarbon, aromatic system solvents, ester and ketone swell it a lot.

Application Example



Application

- Stopping for reversing gear
- Transfer equipment for assembling line
- Stopping for turntable
- Inverting part of machine tool
- Slide end of machine table
- Reciprocating moving parts
- Conveyer
- Sliding door opening and shutting ends
- Pneumatic cylinder of various transfer equipments