



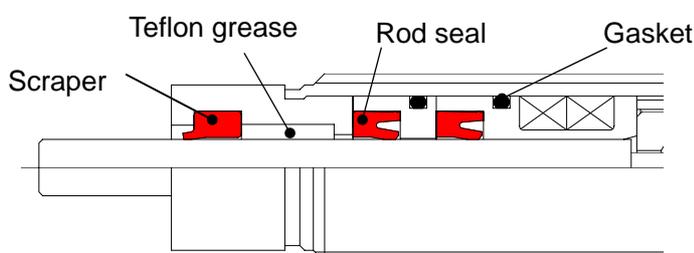
Coolant Resistant Type Shock Absorber

RBL1007-DCK3299K

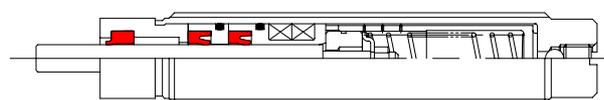
SMC CORPORATION
4-14-1, SOTO-KANDA, CHIYODA-KU,
TOKYO 101-0021, JAPAN
URL: <http://www.smcworld.com>

Feature 1: Changed specifications of the standard RBL (coolant resistant type)

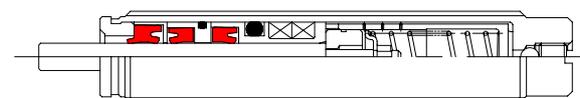
Compared to our standard product (RBL Series), this improves resistance to an environment exposed to high detergent properties by changing the direction and array of scrapers and rod seals.



Enlarged view



RBL1007-DCK3299K



RBL1007 (standard)

Specifications

| Model | RBL1007-DCK3299K | RBL1007(standard) |
|------------------------------|--------------------------------|-------------------|
| Max. energy absorption | 5.88 J | |
| Stroke absorption | 7 mm | |
| Collision speed | 0.05 to 5 m/s | |
| Max. operating frequency *1) | 70 cycle/min | |
| Max. allowable thrust | 422 N | 422 N |
| Ambient temperature | - 10 to 80°C (No condensation) | |
| Effective environment | Water-insoluble cutting oil | |
| Spring force | Extended | 8.18 N |
| | Retracted | 10.67 N |
| Weight | 26 g | 26 g |

*1) Denotes the values at the max. energy absorption per cycle.

Therefore, the operating frequency can be increased according to the energy absorption.

*2) RBL1007-DCK3299K = without cap

If you request this product with cap, please contact our sales representatives so that we can assign another part number.

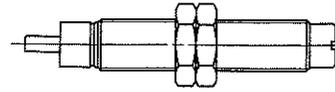
*3) RBL1007-DCK3299K has 2 mounting hexagon nuts as standard. (Refer to attached drawing)

Dimensions: mm (Refer to the drawing attached to the last page)

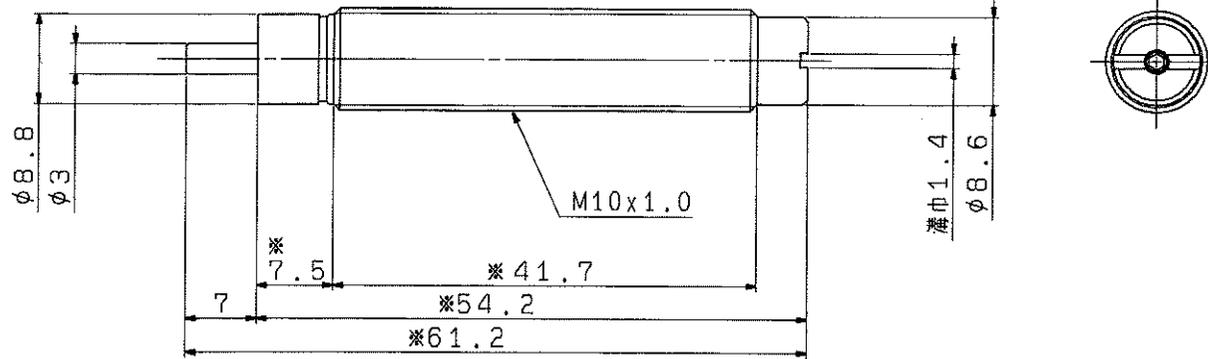
⚠ Caution To ensure the safest possible operation of this product, please be sure to read thoroughly the "Safety Instructions" in our "Best Pneumatics" catalog before use.

ON 9AG

| Shock absorber specifications | | |
|-------------------------------|----------------|-----------|
| Max. absorbing energy | 5.88 J | |
| Max. collision speed | 5 m/s | |
| Max. use frequency | 70 cycle/min | |
| Operating temperature range | -10~80°C | |
| Absorption stroke | ? mm | |
| Spring force | When extended | * 8.18 N |
| | When retracted | * 10.67 N |

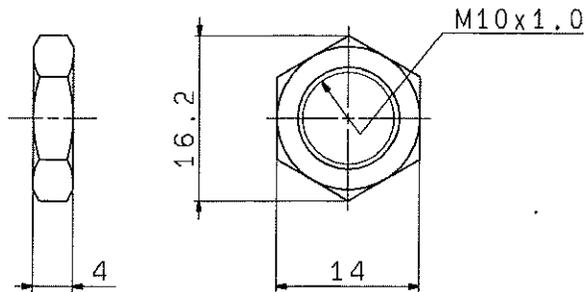


scale 1:1



NOTE

- 1, Oil coolant resistant is improved.
- 2, The sign of * part is different from standard RBL1007.



hexagon nut (2 pieces depending)

| REV | QTY | DESCRIPTION | DATE PREPARED | REV NO | SCALE | FINISH | PAINT | PACKING | MATERIAL | MODEL | QTY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------|-------------|---------------|--------|-----------------------|--------|-------|---------|------------|-------|-----|--|---|---|---|----------|------|-----|-----|-------|------|-----|-----|--------|-----|-----|-----|----------|------|-----|-----|-----------|-----|-----|-----|------------|-----|-----|---|-------------|-----|-----|---|---|--|--|-----------------|--------------|
| | | | | | 2:1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th colspan="4">TOLERANCES JIS B 0405</th> </tr> <tr> <th rowspan="2">RANGE (mm)</th> <th colspan="3">GRADE</th> </tr> <tr> <th>F</th> <th>M</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>0.5-0.63</td> <td>0.05</td> <td>0.1</td> <td>0.2</td> </tr> <tr> <td>3<D≤8</td> <td>0.05</td> <td>0.1</td> <td>0.3</td> </tr> <tr> <td>8<D≤30</td> <td>0.1</td> <td>0.2</td> <td>0.5</td> </tr> <tr> <td>30<D≤120</td> <td>0.15</td> <td>0.3</td> <td>0.8</td> </tr> <tr> <td>120<D≤400</td> <td>0.2</td> <td>0.5</td> <td>1.2</td> </tr> <tr> <td>400<D≤1000</td> <td>0.3</td> <td>0.8</td> <td>2</td> </tr> <tr> <td>1000<D≤2000</td> <td>0.5</td> <td>1.2</td> <td>3</td> </tr> </tbody> </table> | | | | | TOLERANCES JIS B 0405 | | | | RANGE (mm) | GRADE | | | F | M | C | 0.5-0.63 | 0.05 | 0.1 | 0.2 | 3<D≤8 | 0.05 | 0.1 | 0.3 | 8<D≤30 | 0.1 | 0.2 | 0.5 | 30<D≤120 | 0.15 | 0.3 | 0.8 | 120<D≤400 | 0.2 | 0.5 | 1.2 | 400<D≤1000 | 0.3 | 0.8 | 2 | 1000<D≤2000 | 0.5 | 1.2 | 3 | DRAWN DATE DESIGNED <i>K. Matsuzaki</i> DATE <i>2007-12-19</i> CHECKED DATE APPROVED <i>S. Miura</i> DATE <i>2007-12-19</i> | DWG NAME OIL COOLANT RESISTANT SHOCK ABSORBER DWG NO RBL1007-DCK3299K | | THIRD ANGLE | REVISION |
| TOLERANCES JIS B 0405 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RANGE (mm) | GRADE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | F | M | C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.5-0.63 | 0.05 | 0.1 | 0.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3<D≤8 | 0.05 | 0.1 | 0.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8<D≤30 | 0.1 | 0.2 | 0.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30<D≤120 | 0.15 | 0.3 | 0.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 120<D≤400 | 0.2 | 0.5 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 400<D≤1000 | 0.3 | 0.8 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000<D≤2000 | 0.5 | 1.2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

FINISH: 表面処理 / PAINT: 塗装 / PACKING: 包装区分
 MATERIAL: 材質 / MATERIAL SIZE: 材料寸法

DWG NAME

DWG REC

DWG ID

SMC Corporation