

## RB, Shock Absorber RB1412

### Datasheet

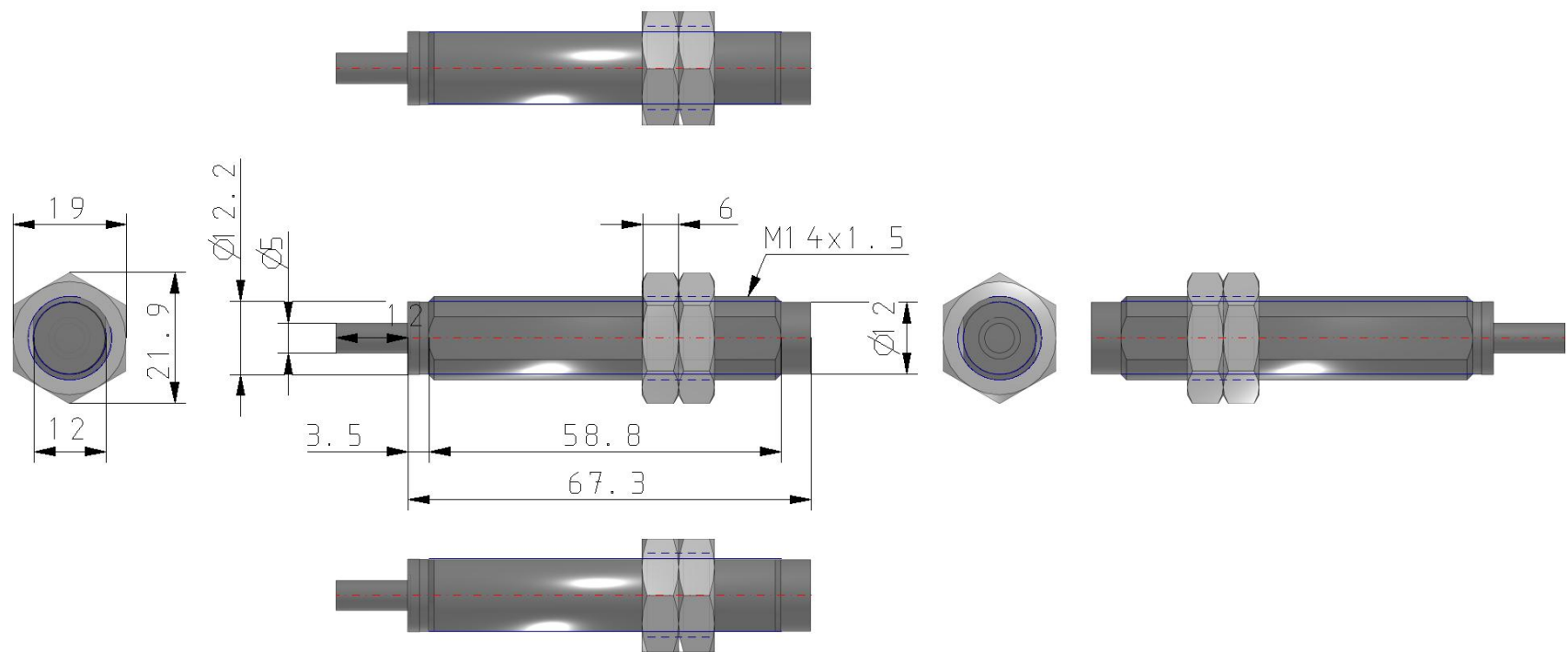
### General series information

- Shock absorber type: basic or with cap
- Applicable thread O.D. size: M6, M8, M10, M14, M20, M27
- Option: stopper nut

### Standard specifications

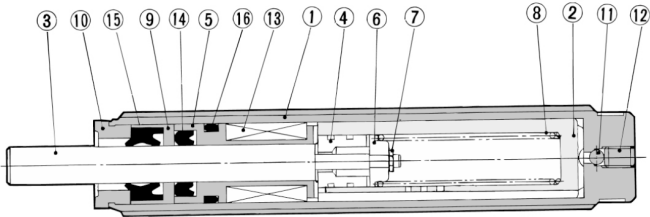
|                               |                                 |
|-------------------------------|---------------------------------|
| Style                         | Standard                        |
| With Cap                      | w/o Cap                         |
| Port Size                     | M14XP1.5                        |
| Stroke                        | 12mm                            |
| Option                        | Hex Nut: 2 pcs.; No Stopper Nut |
| Construction                  | 2118_en.jpg                     |
| Max. Allowable Thrust         | 814 N                           |
| F124- Max-operating-frequency | 45                              |
| Max. Absorbed Energy          | 19.6 J                          |
| Operating temperature range   | -10 - 80°C                      |
| Impact speed                  | 0.05 - 5 m/s                    |
| Spring_Force_compressed       | 15.98 N                         |
| Spring_Force_extended         | 6.86 N                          |
| Weight                        | 0.065 Kg                        |

Dimensions

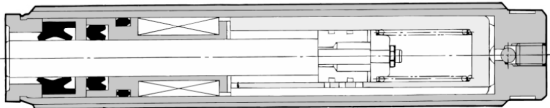


# Constructions

Extended



Compressed



## Component Parts

| No. | Description   | Material                 | Note               |
|-----|---------------|--------------------------|--------------------|
| ①   | Outer tube    | Rolled steel             | Gray coated        |
| ②   | Inner tube    | Special steel            | Heat treatment     |
| ③   | Piston rod    | Special steel            | Hard chrome plated |
| ④   | Piston        | Special steel            | Heat treatment     |
| ⑤   | Bearing       | Special bearing material |                    |
| ⑥   | Spring guide  | Rolled steel             | Zinc chromated     |
| ⑦   | Pushing nut   | Steel for spring         |                    |
| ⑧   | Return spring | Piano wire               | Zinc chromated     |
| ⑨   | Seal holder   | Copper alloy             |                    |
| ⑩   | Stopper       | Carbon steel             | Zinc chromated     |
| ⑪   | Steal ball    | Bearing steel            |                    |
| ⑫   | Set screw     | Special steel            |                    |
| ⑬   | Accumulator   | NBR                      | Foam rubber        |
| ⑭   | Rod seal      | NBR                      |                    |
| ⑮   | Scraper       | NBR                      |                    |
| ⑯   | Gasket        | NBR                      |                    |

## Additional information

Catalogue

[RB\\_EU.pdf](#)

Operation manuals

[rb0604e\\_operation\\_manual.pdf](#)