

1

2

3

4

5

6

7

8

A

B

C

D

E

F

A

B

C

D

E

F

A-  
direction  
→

φ9

7

157

25

1

116

15

20

2 × P30=60

36

9

32

5/8" Steel ball  
(φ15.875)

4

28

32

18

Rc1/4

φ24

36

34<sup>+0.5</sup><sub>0</sub>

2-C1  
or above

2-R1  
or below

34±0.1

View A

Rising  
(stroke 4mm)

(Scale 1:1)

Recommended groove dimensions

spec

|          |           |                |
|----------|-----------|----------------|
| Series   |           | AFU-3232series |
| Freebear |           | 3pcs           |
| Material | Ball      | SUJ2           |
|          | Ball seat | SCM415         |
|          | Body      | Steel          |
| Weight   |           | 0.9kg          |

|          |                                               |                                     |                                             |
|----------|-----------------------------------------------|-------------------------------------|---------------------------------------------|
| Capacity | Air pressure<br>[ MPa(kgf/cm <sup>2</sup> ) ] | Load capacity (Unit)<br>[ kN(kgf) ] | Load capacity (One freebear)<br>[ kN(kgf) ] |
|          | 0.3 (3.1)                                     | 0.36(36.6)                          | 0.12(12.2)                                  |
|          | 0.4 (4.1)                                     | 0.48(48.9)                          | 0.16(16.3)                                  |
|          | 0.5 (5.1)                                     | 0.60(61.2)                          | 0.20(20.4)                                  |
|          | 0.6 (6.1)                                     | 0.72(73.5)                          | 0.24(24.5)                                  |

|                                                                                       |  |                                    |  |                      |  |                                                                                       |  |
|---------------------------------------------------------------------------------------|--|------------------------------------|--|----------------------|--|---------------------------------------------------------------------------------------|--|
| 設計 DESIGNED BY                                                                        |  | 古内                                 |  | 2021/07/27           |  | 名称 TITLE                                                                              |  |
| 製図 DRAWN BY                                                                           |  | 古内                                 |  | 2021/07/27           |  | Pneumatically Actuated<br>freebear unit                                               |  |
| 検図<br>CHECKED<br>BY                                                                   |  | <div>技術部<br/>21.11.11<br/>坂根</div> |  | 承認<br>APPROVED<br>BY |  | <div>技術部<br/>21.11.18<br/>花村</div>                                                    |  |
| 尺度 SCALE                                                                              |  | 1:2                                |  | サイズ SIZE             |  | A3                                                                                    |  |
| 第三角法                                                                                  |  |                                    |  |                      |  |  |  |
|  |  |                                    |  |                      |  | 図面番号 DRAWING NO.<br>SD-01246-F01                                                      |  |
|                                                                                       |  |                                    |  |                      |  | 変更<br>回数<br>REV.M                                                                     |  |

1

2

3

6

7

8