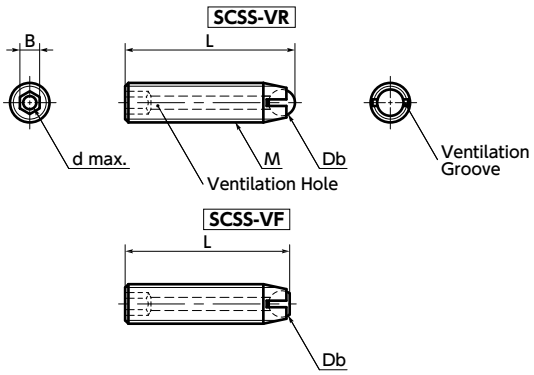
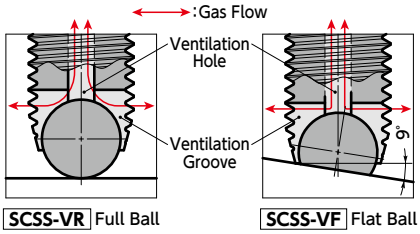
# SCSS Vented Clamping Set Screws Registered Design

Vacuum | Cleanroom wash & packaging | SUS Stainless steel



- This screw is used to secure work in vacuum devices and vacuum chambers, such as FPD production equipment and semiconductor devices.
- Cleanroom wash and cleanroom packing are completed. ➡ P.xxxx
- The thin fluorine coating keeps the ball highly lubricated, even after cleanroom washing.
- Ventilation holes and grooves easily release gas trapped in machines.
- **SCSS-VR** has a full ball to firmly secure work at the contact point.
- The contact surface of **SCSS-VF** is a flat ball. Workpiece is not damaged. The ball rotates flexibly up to 9°. Clamps securely even the inclined surface.




## ● Application

Fixing and locating workpiece, Vacuum devices, FPD production equipment, semiconductor devices

## ● Material/Finish

RoHS

| | SCSS |
|---|---|
| Main Body | SUSXM7 (Equivalent to SUS304) |
| Ball | SUS440C (Hardness 55 - 60HRC) Thin Fluorine Coating |

## ● Part number specification

**SCSS-M6-25-VR**

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Batch cleanroom packing is provided for orders containing multiple items of the same size.

Unit : mm

| SCSS-VR Full Ball | | SCSS-VF Flat Ball | | Common Dimensions | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Part Number 1 | L | Part Number 1 | L | M (Coarse) | | Db | B | d | Mass (g) |
| | | | | Nominal of Thread | Pitch | | | | |
| **SCSS-M5-8-VR** | 8.6 | **SCSS-M5-8-VF** | 8 | M5 | 0.8 | 3 | 2.5 | 1.5 | 0.8 |
| **SCSS-M5-12-VR** | 12.6 | **SCSS-M5-12-VF** | 12 | M5 | 0.8 | 3 | 2.5 | 1.5 | 1.3 |
| **SCSS-M5-20-VR** | 20.6 | **SCSS-M5-20-VF** | 20 | M5 | 0.8 | 3 | 2.5 | 1.5 | 2.3 |
| **SCSS-M6-10-VR** | 10.8 | **SCSS-M6-10-VF** | 10 | M6 | 1 | 4 | 3 | 2 | 1.5 |
| **SCSS-M6-16-VR** | 16.8 | **SCSS-M6-16-VF** | 16 | M6 | 1 | 4 | 3 | 2 | 2.5 |
| **SCSS-M6-20-VR** | 20.8 | **SCSS-M6-20-VF** | 20 | M6 | 1 | 4 | 3 | 2 | 3.4 |
| **SCSS-M6-25-VR** | 25.8 | **SCSS-M6-25-VF** | 25 | M6 | 1 | 4 | 3 | 2 | 4 |
| **SCSS-M8-10-VR** | 11.2 | **SCSS-M8-10-VF** | 10 | M8 | 1.25 | 5.5 | 4 | 2 | 2.5 |
| **SCSS-M8-12-VR** | 13.2 | **SCSS-M8-12-VF** | 12 | M8 | 1.25 | 5.5 | 4 | 2 | 3.2 |
| **SCSS-M8-20-VR** | 21.2 | **SCSS-M8-20-VF** | 20 | M8 | 1.25 | 5.5 | 4 | 2 | 5.7 |
| **SCSS-M8-25-VR** | 26.2 | **SCSS-M8-25-VF** | 25 | M8 | 1.25 | 5.5 | 4 | 2 | 7.7 |
| **SCSS-M8-30-VR** | 31.2 | **SCSS-M8-30-VF** | 30 | M8 | 1.25 | 5.5 | 4 | 2 | 9 |
| **SCSS-M10-16-VR** | 17.7 | **SCSS-M10-16-VF** | 16 | M10 | 1.5 | 7 | 5 | 3 | 5 |
| **SCSS-M10-20-VR** | 21.7 | **SCSS-M10-20-VF** | 20 | M10 | 1.5 | 7 | 5 | 3 | 7 |
| **SCSS-M10-25-VR** | 26.7 | **SCSS-M10-25-VF** | 25 | M10 | 1.5 | 7 | 5 | 3 | 9.5 |
| **SCSS-M10-35-VR** | 36.7 | **SCSS-M10-35-VF** | 35 | M10 | 1.5 | 7 | 5 | 3 | 11 |

| 1 Individual Sales ➡ P.xxxx | Cleanroom Wash & Packaging ➡ P.xxxx | Screw Length Adjustment ➡ P.xxxx | Vibration Resistant ➡ P.xxxx | Modification process for captive use ➡ P.xxxx |
|---|---|---|---|---|
| 1 piece in 1 pack | Cleanroom washed and packed | Not Available | Not Available | Not Available |