

Material/Finish

	SSCHS-HD
Main Body	SUSXM7 (Equivalent to SUS304)
Strength Class	A2-40





- Prevents fallout and loss of the screw. They are intended to fix protective and inspection covers that are frequently installed and removed.
- All head heights are 1.5 mm or less. For space-saving of equipment/devices and applications with limited overhead space.
- For CE Marking compatibility.

Application

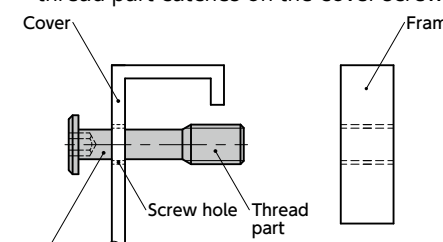
For fixing protective covers and maintenance covers
CE Marking compatible
Machine tools / Food machinery /
Electrical and electronic equipment

Unit : mm

Part Number 	M (Coarse)		L 							Lm	D1	L1	B	dc	Max. Tightening Torque (N・m)	Mass (g)
	Nominal of Thread	Pitch														
SSCHS-M3-SD	M3	0.5	8	10	12					4	5	1.3	1.5	2.2	0.11	0.44 - 0.6
SSCHS-M4-SD	M4	0.7		10	12	16				5	6	1.5	2	3	0.39	0.93 - 1.3
SSCHS-M5-SD	M5	0.8			12	16	20			6	8	1.5	3	3.9	0.52	1.3 - 2.3
SSCHS-M6-SD	M6	1			12	16	20	25	30	8	9	1.5	3	4.5	1.6	2.1 - 5.3
SSCHS-M8-SD	M8	1.25				16	20	25	30	10	11	1.5	4	6.3	5	5 - 9.6

Installation Example

Make a screw hole in the cover, and then pass the **SSCHS-SD** thread part through it. Even when the screw is removed from the frame, **SSCHS-SD** does not fall out of the cover because the **SSCHS-SD** thread part catches on the cover screw hole.



SSCHS-SD Hex socket head cap captive screw with special low profile small head

Precautions for Use

- Screw hole inner diameter on the cover side shall be at least the dc dimension.
- The cover thickness should be 0.8 mm or above.
- Since the head bearing surface area is small, the bearing surface pressure increases.
- Using the following formula as a reference, ensure that the bearing surface pressure due to screw tightening does not exceed the permitted surface pressure of the intended fastening material.

$$P = \sigma \frac{A_s}{A}$$

P: Bearing surface pressure (N/mm²)

σ: Bolt stress (N/mm²)

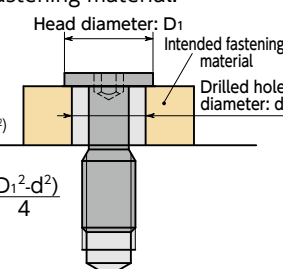
As: Screw effective cross-sectional area (mm²)

A: Bearing surface area (mm²)

$$\text{Bearing surface area } A = \pi \frac{(D_1^2 - d^2)}{4}$$

D1: Head diameter (mm)

d: Drilled hole diameter (mm)



Head Diameter and Screw Effective Cross-Sectional Area

Part Number	Head Diameter (mm)	Screw Effective Cross-Sectional Area (mm ²)
SSCHS-M3-SD	5	5.03
SSCHS-M4-SD	6	8.78
SSCHS-M5-SD	8	14.2
SSCHS-M6-SD	9	20.1
SSCHS-M8-SD	11	36.6

Part Number Specification

SSCHS-M3-10-SD

1 2 1

1 Individual Sales	Cleanroom Wash & Packaging	Screw Length Adjustment	Vibration Resistant	Modification process for captive use
1 piece in 1 pack	Available / Add'l charge	Not Available	Not Available	with Captive Processing