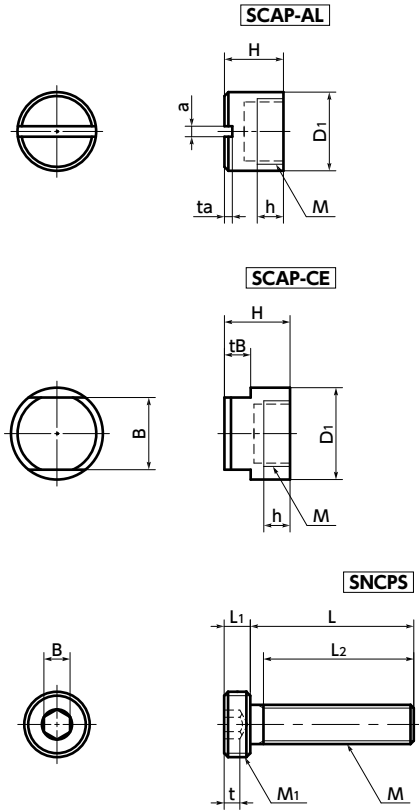


SCAP/SNCPS Cover Caps / Socket Head Cap Screws for Cover Caps

WEB Selection Tool | WEB CAD Download | Vacuum | Cleanroom wash & packaging | SUS Stainless steel

SCAP-CE | SNCPS



- Combine **SCAP** Cover Cap and **SNCPS** Socket Head Cap Screw for Cover Cap.
- These caps prevent the corrosion of screw heads due to vacuum chamber processing gas and plasma.
- SCAP** has 2 material types as standard.
 - SCAP-AL** — Aluminum alloy
 - SCAP-CE** — Ceramic
- The screw connection section is made of stainless steel, so this product has a higher tightening strength than aluminum or ceramic screws.
- Other requested materials such as Inconel* and Hastelloy* can be used for Cover Caps.
 - *Inconel is a registered trademark of Special Metals Corporation.
 - *Hastelloy is a registered trademark of Haynes International, Inc.

Application

Film formation equipment, etching devices, FPD production equipment, and semiconductor devices

Material/Finish

RoHS Compliant

	SCAP-AL Cover Caps	SCAP-CE Cover Caps	SNCPS Cap Screws
Main Body	A5056	Al ₂ O ₃ (99.5% Alumina)	SUSXM7 (S.S. grade : A2)
Strength Class			A2-50

⚠ Precautions for Use

Corrosion resistance changes depending on use conditions. Always carry out tests under conditions same as actual conditions before use.

SCAP-AL Cover Caps : Aluminum Alloy (A5056)

Unit : mm

Part Number	M	H	D ₁	h	a	ta	Recommendation Torque (N·m)	SNCPS Part.No	Mass (g)	Qty per pack
SCAP-3-AL	M5×0.5	5	7	2	0.8	0.6	0.1	SNCPS-M3	0.4	1
SCAP-4-AL	M6×0.75	7	8	2.8	1.2	1	0.15	SNCPS-M4	0.6	1
SCAP-5-AL	M8×0.75	8	10	3.5	1.2	1	0.3	SNCPS-M5	1	1
SCAP-6-AL	M10×0.75	9	12	4	1.6	1.2	0.4	SNCPS-M6	1.5	1
SCAP-8-AL	M12×1	11	14	5	2	1.8	0.6	SNCPS-M8	2.3	1
SCAP-10-AL	M16×1	12	18	6	2.5	2	0.8	SNCPS-M10	3.7	1

SCAP-CE Cover Caps : Ceramic (Al₂O₃)

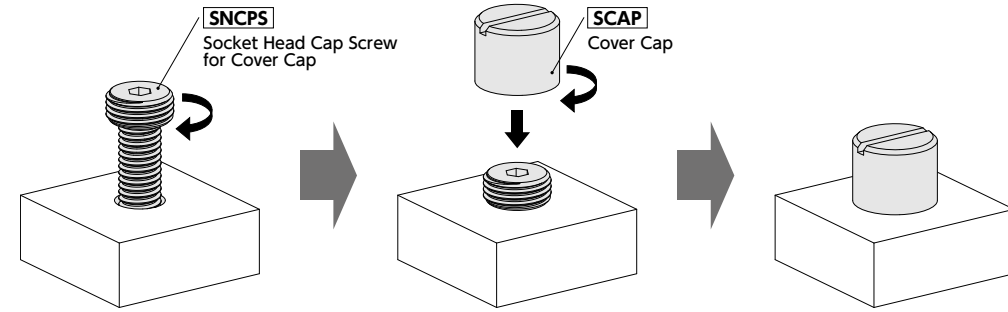
Unit : mm

Part Number	M	H	D ₁	h	B	tB	Recommendation Torque (N·m)	SNCPS Part.No	Mass (g)	Qty per pack
SCAP-3-CE	M5×0.5	6	9	2	7	3	0.1	SNCPS-M3	1.2	1
SCAP-4-CE	M6×0.75	8	10	2.8	8	3	0.15	SNCPS-M4	2	1
SCAP-5-CE	M8×0.75	9	12	3.5	9	3	0.3	SNCPS-M5	3	1
SCAP-6-CE	M10×0.75	10	14	4	11	4	0.4	SNCPS-M6	4.3	1
SCAP-8-CE	M12×1	11	16	5	13	4	0.6	SNCPS-M8	5.8	1
SCAP-10-CE	M16×1	12	20	6	17	4	0.8	SNCPS-M10	9.2	1

1 Individual Sales → P.794 | Cleanroom Wash & Packaging → P.792 | Screw Length Adjustment → P.796 | Vibration Resistant → P.795 | Modification process for captive use → P.791
 1 pc. in 1 bag | Cleanroom washed and packed | S.S. only/ Add'l charge | Male screw only/ Add'l charge | Not Available

Usage

After tightening **SNCPS** Socket Head Cap Screw for Cover Cap, assemble **SCAP** Cover Cap so that it covers the head of **SNCPS**.
 Ensure that the tightening torque of **SCAP** does not exceed the recommendation torque in the chart.



Related Products

SCAP-PT Cover Cap made of PTFE (Teflon), which has excellent chemical resistance, is available.
 → P.658



Part number specification

SCAP-6-AL **SCAP** Cover Cap

SNCPS-M6-20 **SNCPS** Cap Screw for Cover Cap

Order the **SCAP** and **SNCPS** individually.

SNCPS Socket Head Cap Screw for Cover Cap

Unit : mm

Part Number	M	L	M ₁	L ₁	B	t	L ₂ *1	SCAP Part.No	Mass (g)
SNCPS-M3	M3	6 8 10 12	M5×0.5	2	2	1.5	Full Thread	SCAP-3	0.53 - 0.78
SNCPS-M4	M4	8 10 12 16	M6×0.75	2.8	2.5	2.3	Full Thread	SCAP-4	1.3 - 1.9
SNCPS-M5	M5	10 12 16 20	M8×0.75	3.5	3	2.7	Full Thread	SCAP-5	2 - 3.3
SNCPS-M6	M6	12 16 20 25	M10×0.75	4	4	3	Full Thread	SCAP-6	3.8 - 6.4
SNCPS-M8	M8	16 20 25 30 35	M12×1	5	5	3.8	22(L=35)	SCAP-8	9 - 16
SNCPS-M10	M10	20 25 30 35 40	M16×1	6	6	4.5	26(L=40)	SCAP-10	17 - 27

*1 If the "L" value is other than the value in parentheses, the screw is full thread.

Part Number	Qty per pack
SNCPS-M3	1
SNCPS-M4	1
SNCPS-M5	1
SNCPS-M6	1
SNCPS-M8	1
SNCPS-M10	1