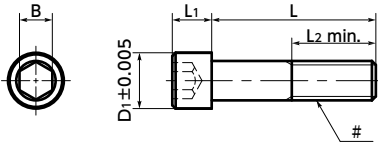


# SNSS-SD(INCH) Hex Socket Head Cap Screws with Small Head - Inch Thread

SUS Stainless steel Protrusion

e-nedzi.com®



## Material/Finish



	SNSS-SD(INCH)
Main Body	Equivalent to SUS304
Strength Class	A2-50

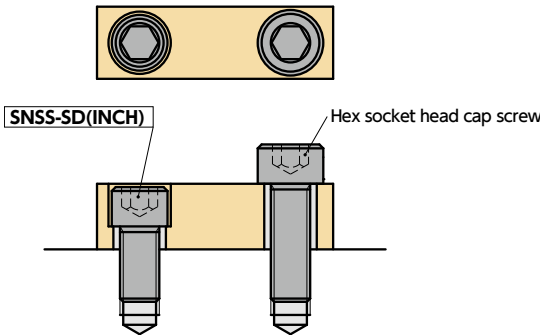
## Application

Reducing the size of equipment and devices which use inch threads

- Hex socket head cap screws with small head diameter. Able to reduce the spot facing diameters compared to standard hex socket head cap screws.
- Inch screw type.
- Install and remove by using **SKH(INCH)** (➡ P.xxxx Dedicated Hex Key.

## Usage example

It is possible to perform spot facing and hide the head in locations where spot facing is not possible with standard hex socket head cap screws.



## ⚠ Precautions for Use

- 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

$\sigma$ : Bolt stress

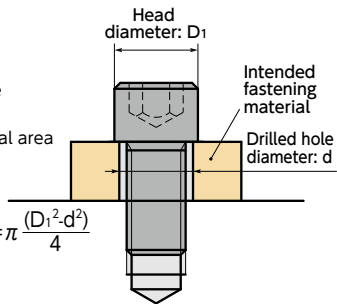
$A_s$ : Screw effective sectional area

A: Bearing surface area

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

$D_1$ : Head diameter

d: Drilled hole diameter



## Screw Effective Sectional Area

Part Number	Screw Effective Sectional Area (in²)	Screw Effective Sectional Area (mm²)
SNSS-#4-40-SD	0.0061	3.95
SNSS-#6-32-SD	0.0092	5.95
SNSS-#8-32-SD	0.014	9.15
SNSS-#10-24-SD	0.018	11.5
SNSS-#10-32-SD	0.02	13
SNSS-1 / 4-20-SD	0.032	20.8
SNSS-5 / 16-18-SD	0.053	34.2

															Unit : inch		
Part Number	#Nominal of Thread	L									D1	L1	B	L2*1	Mass (g)	Qty per Pack	
SNSS-#4-40-SD	No.4-40UNC	3 / 16	1 / 4	5 / 16	3 / 8	1 / 2	5 / 8	3 / 4			0.161	0.112	3 / 32	Full Thread	0.48 - 0.84	10	
SNSS-#6-32-SD	No.6-32UNC		1 / 4	5 / 16	3 / 8	1 / 2	5 / 8	3 / 4	7 / 8	1	0.205	0.138	7 / 64	0.75(L≥7 / 8)	0.73 - 1.4	10	
SNSS-#8-32-SD	No.8-32UNC		1 / 4	5 / 16	3 / 8	1 / 2	5 / 8	3 / 4	7 / 8	1	0.226	0.164	9 / 64	0.88(L=1)	0.98 - 2.3	10	
SNSS-#10-24-SD	No.10-24UNC		1 / 4	5 / 16	3 / 8	1 / 2	5 / 8	3 / 4	7 / 8	1	0.270	0.190	5 / 32	0.88(L=1)	1.6 - 3.3	10	
SNSS-#10-32-SD	No.10-32UNF		1 / 4	5 / 16	3 / 8	1 / 2	5 / 8	3 / 4	7 / 8	1	0.270	0.190	5 / 32	0.88(L=1)	1.1 - 3.9	10	
SNSS-1 / 4-20-SD	1/4-20UNC		1 / 4	5 / 16	3 / 8	1 / 2	5 / 8	3 / 4	7 / 8	1	1 - 1/4	0.335	0.250	3 / 16	1(L=1 - 1/4)	3.1 - 7.1	10
SNSS-5 / 16-18-SD	5/16-18UNC					1 / 2	5 / 8	3 / 4	7 / 8	1	1 - 1/4	0.420	0.312	1 / 4	1.12(L=1 - 1/4)	7.6 - 12	10

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

- When purchasing less volume than one full bag, a separate handling fee is charged. For details, see the Sold Separately Service.

## Related Products

Hex keys dedicated for inch threads **SKH(INCH)** are available.



## Part number specification

SNSS-#4-40-1/4-SD

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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
Available / Add'l charge	Available / Add'l charge	Available / Add'l charge	Available / Add'l charge	Available / Add'l charge

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