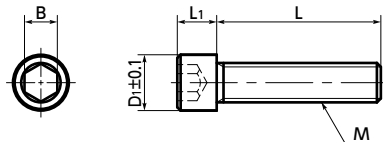


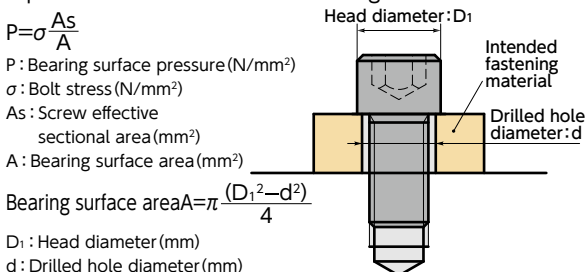
# SNS-SD/SNSS-SD Socket Head Cap Screws with Small Head

WEB Selection Tool | WEB CAD Download | Small Head | SUS Stainless steel



### ⚠️ Precautions for Use

- Since the head bearing surface area is small, bearing surface pressure become high.
- 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.



### • Head Diameter and Screw Effective Cross-sectional Area

Part Number	Head Diameter (mm)	Screw effective cross-sectional area (mm <sup>2</sup> )
SNS-M3-SD	4.5	5.03
SNS-M4-SD	5.5	8.78
SNS-M5-SD	7	14.2
SNS-M6-SD	8.5	20.1
SNS-M8-SD	11	36.6
SNS-M10-SD	13.5	58



- Socket head cap screws with small head diameters. Able to reduce the spot facing diameters compared to standard socket head cap screws.

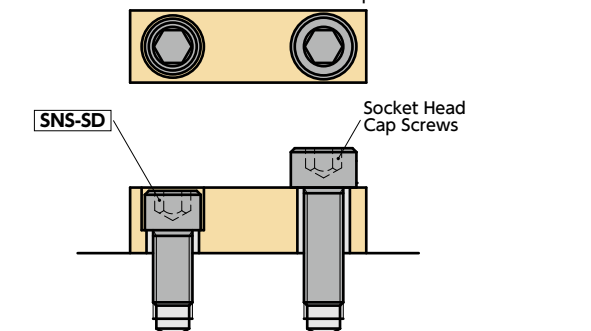
### • Application

Reducing the size of equipment and devices

### • Material/Finish

	SNS-SD	SNS-SD-EL	SNSS-SD
Main Body	SCM435 Ferrosferric Oxide Coating (Black)	SCM435 Electroless Nickel Plating	SUSXM7 (S.S. grade : A2)
Strength Class	12.9	12.9	A2-70

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



### SNS-SD Steel - Ferrosferric Oxide Coating

Part Number	M	L	D1	L1	B	Mass (g)
SNS-M3-SD	M3	5, 6, 8, 10, 12	4.5	3	2.5	0.5 - 0.8
SNS-M4-SD	M4	6, 8, 10, 12, 16, 20, 25	5.5	4	3	1.1 - 2.6
SNS-M5-SD	M5	8, 10, 12, 16, 20, 25, 30	7	4.5	4	2.1 - 4.2
SNS-M6-SD	M6	8, 10, 12, 16, 20, 25, 30, 35	8.5	5.5	5	3.4 - 7.2
SNS-M8-SD	M8	10, 12, 16, 20, 25, 30, 35, 40	11	7.5	6	7.8 - 16
SNS-M10-SD	M10	16, 20, 25, 30, 35, 40	13.5	9.5	8	17 - 29

Part Number	Qty per pack*1
SNS-M3-SD	10
SNS-M4-SD	10
SNS-M5-SD	10
SNS-M6-SD	10
SNS-M8-SD	10
SNS-M10-SD	10

\*1 The minimum order quantity is 1 piece. → P.794

### • Part number specification

**SNS-M5-20-SD**

Order in number of packs.  
The minimum order quantity is 1 piece. → P.794

### SNS-SD-EL Steel - Electroless Nickel Plating

Part Number	M	L	D1	L1	B	Mass (g)
SNS-M3-SD-EL	M3	5, 6, 8, 10, 12	4.5	3	2.5	0.5 - 0.8
SNS-M4-SD-EL	M4	6, 8, 10, 12, 16, 20, 25	5.5	4	3	1.1 - 2.6
SNS-M5-SD-EL	M5	8, 10, 12, 16, 20, 25, 30	7	4.5	4	2.1 - 4.2
SNS-M6-SD-EL	M6	8, 10, 12, 16, 20, 25, 30, 35	8.5	5.5	5	3.4 - 7.2
SNS-M8-SD-EL	M8	10, 12, 16, 20, 25, 30, 35, 40	11	7.5	6	7.8 - 16
SNS-M10-SD-EL	M10	16, 20, 25, 30, 35, 40	13.5	9.5	8	17 - 29

Part Number	Qty per pack*1
SNS-M3-SD-EL	10
SNS-M4-SD-EL	10
SNS-M5-SD-EL	10
SNS-M6-SD-EL	10
SNS-M8-SD-EL	10
SNS-M10-SD-EL	10

\*1 The minimum order quantity is 1 piece. → P.794

### SNSS-SD Stainless Steel

Part Number	M	L	D1	L1	B	Mass (g)
SNSS-M2-SD	M2	3, 4, 5, 6	3	2	1.5	0.088 - 0.15
SNSS-M2.5-SD	M2.5	4, 5, 6, 8	3.8	2.5	2	0.26 - 0.38
SNSS-M3-SD	M3	5, 6, 8, 10, 12	4.5	3	2.5	0.5 - 0.8
SNSS-M4-SD	M4	6, 8, 10, 12, 16, 20, 25	5.5	4	3	1.1 - 2.6
SNSS-M5-SD	M5	8, 10, 12, 16, 20, 25, 30	7	4.5	4	2.1 - 4.2
SNSS-M6-SD	M6	8, 10, 12, 16, 20, 25, 30, 35	8.5	5.5	5	3.4 - 7.2
SNSS-M8-SD	M8	10, 12, 16, 20, 25, 30, 35, 40	11	7.5	6	7.8 - 16
SNSS-M10-SD	M10	16, 20, 25, 30, 35, 40	13.5	9.5	8	17 - 29

Part Number	Qty per pack*1
SNSS-M2-SD	10
SNSS-M2.5-SD	10
SNSS-M3-SD	10
SNSS-M4-SD	10
SNSS-M5-SD	10
SNSS-M6-SD	10
SNSS-M8-SD	10
SNSS-M10-SD	10

\*1 The minimum order quantity is 1 piece. → P.794

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  
Available / Add'l charge | Available / Add'l charge | Available / Add'l charge | Available / Add'l charge | Please feel free to contact us