



- Ceramic made from 99.5% high-purity alumina.
- Usable continually at 1500°C.
- Types can be selected by the end symbol of the part number. **3**

**SCX-C** — Socket Head Cap Screws

**SCX-H** — Hex Head Screws

- Excellent heat resistance, chemical resistance, and electrical insulation.
- The properties of ceramic screws → P.xxxx

#### • Application

FPD production equipment, semiconductor devices, printed circuit board etching devices, metallic surface treatment equipment and facilities, and chemical plants

#### • Material/Finish



	SCX-C	SCX-H
Main Body	Al <sub>2</sub> O <sub>3</sub> (99.5% Alumina)	Al <sub>2</sub> O <sub>3</sub> (99.5% Alumina)

#### SCX-C Hex Socket Head Cap Screws

Unit : mm

Part Number	M (Coarse)		L <b>2</b>										D1	L1	B	Mass (g)
	Nominal of Thread <b>1</b>	Pitch	5	6	8	10	12	16	20	25	30	35				
SCX-M3-C	M3	0.5	5	6	8	10							5.5	3	2	0.34 - 0.44
SCX-M4-C	M4	0.7	5	6	8	10	12	16	20	25	30		7	4	2.5	0.71 - 1.6
SCX-M5-C	M5	0.8			8	10	12	16	20	25	30	35	8.5	5	3	1.2 - 2.8
SCX-M6-C	M6	1				10	12	16	20	25	30	35	10	6	4	2.4 - 4.2
SCX-M8-C	M8	1.25					12	16	20	25	30	35	13	8	5	5.5 - 8.5
SCX-M10-C	M10	1.5					12	16	20	25	30	35	16	10	6	9.5 - 14

#### ⚠ Precautions for Use

- When tightening ceramic screws, use a torque driver or torque wrench and do not exceed the torsional torque. The recommendation torque is 50% of the torsional torque.

M	Torsional Torque (N・m)
M3	0.04
M4	0.05
M5	0.10
M6	0.15
M8	0.30
M10	0.50

- Values in chart are for reference only. They are not guaranteed values.

- Ceramic screws may be damaged by impact. Take care when handling these screws.
- Because a cumulative pitch difference is created when ceramic screws are manufactured, use them with **SCX-N** ceramic nuts.

- Also, ceramics screws with special specifications such as ventilation holes, dimensions, shapes, and cleanroom washing are available. Please contact us for details.



#### SCX-H Hex Head Screws

Unit : mm

Part Number	M (Coarse)		L <b>2</b>										B	L1	Mass (g)
	Nominal of Thread <b>1</b>	Pitch	5	6	8	10	12	16	20	25	30	35			
SCX-M3-H	M3	0.5	5	6	8	10							5.5	2	0.31 - 0.43
SCX-M4-H	M4	0.7	5	6	8	10	12	16	20	25	30		7	2.8	0.66 - 1.5
SCX-M5-H	M5	0.8			8	10	12	16	20	25	30	35	8	3.5	1.3 - 2.6
SCX-M6-H	M6	1				10	12	16	20	25	30	35	10	4	2.2 - 4
SCX-M8-H	M8	1.25					12	16	20	25	30	35	13	5.3	5.1 - 8
SCX-M10-H	M10	1.5					12	16	20	25	30	35	16	6.4	9.9 - 14

- Part number specification

**SCX - M5 - 16 - C**

Product Code **1 2 3**

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	Available / Add'l charge	Not Available	Not Available	Not Available