

SPDC-C Plastic Screws - Hex Socket Head Cap Screws - VESPEL (Grade: SCP - 5000)



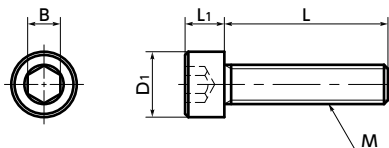
WEB Selection Tool

WEB CAD Download

Cleanroom wash & packaging

Heat-resistance

Chemical-proof



● Application

FPD production equipment, semiconductor devices, printed circuit board etching devices, metallic surface treatment equipment and facilities, chemical plants, transformers, electrical and electronic equipment, hot water pumps, and chemical pumps

● Material/Finish

RoHS2 Compliant

SPDC-C	
Main Body	VESPEL SCP-5000 (Non-thermoplastic Polyimide Resin)
Heat Resistance Temperature*1	350°C

● VESPEL is a registered trademark of DuPont.

*1: This is the value for the resin material. The operating temperature of the product changes with performance conditions such as tightening torque.

- VESPEL SCP-5000 is a non-thermoplastic super-engineering plastic with excellent physical and chemical properties.
- Properties of VESPEL SCP-5000 → P.xxxx
- This material maintains high strength and flexibility even under high temperatures and does not soften up to 350°C. Due to its stable and long-term heat resistance, it has a continuous duty temperature of 350°C.
- The screws have excellent chemical resistance, plasma resistance, radiation hardness, and abrasion resistance.
- Thanks to the powder compression molding method, no bubbles blend in and outgas quantity is extremely low. → P.xxxx
- Cleanroom wash and cleanroom packing are completed. → P.xxxx

Unit : mm

Part Number	M (Coarse)		L										D1	L1	B	Torsional*1 Torque (N·m)	Mass (g)
	Nominal of Thread	Pitch	6	8	10	12	16	20	25	30	40						
SPDC-M3-C	M3	0.5	6	8	10	12	16					5.5	3	2.5	0.21	0.13 - 0.21	
SPDC-M4-C	M4	0.7	6	8	10	12	16	20	25			7	4	3	0.47	0.28 - 0.58	
SPDC-M5-C	M5	0.8		8	10	12	16	20	25	30		8.5	5	4	0.98	0.45 - 1	
SPDC-M6-C	M6	1			10	12	16	20	25	30	40	10	6	5	1.65	0.86 - 2	
SPDC-M8-C	M8	1.25			10	12	16	20	25	30	40	13	8	6	4.04	1.9 - 3.8	

*1: Values in chart are for reference only. They are not guaranteed values. The recommendation torque is 50% of the torsional torque.

Part Number	Qty per Pack
SPDC-M3-C	1
SPDC-M4-C	1
SPDC-M5-C	1
SPDC-M6-C	1
SPDC-M8-C	1

● Related Products

SPD-C VESPEL (Grade: SP-1) Hex Socket Head Cap Screw, which has a heat resistance temperature of 280 °C, is available.

→ P.xxxx



● Part number specification

SPDC - M5 - 20 - C

Product Code **1** **2** Product Code

This is a non-stocked product.

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 unit in 1 bag	Cleanroom washed and packed	Available / Add'l charge	Not Available	Please feel free to contact us