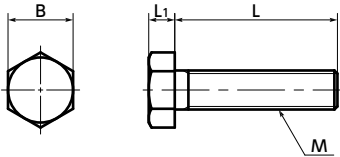


SPD-H Plastic Screw - Hex Head Screws - VESPEL (Grade : SP - 1)



Selection Tool
 CAD Download
 Cleanroom wash & packaging
 Heat-resistance
 Chemical-proof



● Material/Finish

RoHS Compliant

| SPD-H | |
|------------------------------|--|
| Main Body | VESPEL SP-1 (Non-thermoplastic Polyimide Resin) |
| Heat Resistance Temperature* | 288°C |

- VESPEL is a registered trademark of DuPont.
- *This is the value for the plastic material. The maximum operating temperature of the product changes with performance conditions such as tightening torque.

- VESPEL SP-1 is a non-thermoplastic super-engineering plastic with excellent physical and chemical properties.
- Properties of VESPEL SP-1 → P.727
- It does not reach a softening point, such as its melting point or glass transition point, even under high temperatures and can be used continually at 288 deg 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.727

● 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

Unit : mm

| Part Number | M | | L | | | | | | | | B | L1 | Torsional*1 Torque (N·m) | Mass (g) | |
|-------------|----|---|---|----|----|----|----|----|----|----|---|-----|-----------------------------|----------|-------------|
| | M | L | 6 | 8 | 10 | 12 | 16 | 20 | 25 | 30 | | | | | 40 |
| SPD-M3-H | M3 | 6 | 8 | 10 | 12 | 16 | | | | | | 5.5 | 2 | 0.12 | 0.12 - 0.21 |
| SPD-M4-H | M4 | 6 | 8 | 10 | 12 | 16 | 20 | 25 | | | | 7 | 2.8 | 0.27 | 0.25 - 0.53 |
| SPD-M5-H | M5 | | 8 | 10 | 12 | 16 | 20 | 25 | 30 | | | 8 | 3.5 | 0.54 | 0.46 - 0.97 |
| SPD-M6-H | M6 | | | 10 | 12 | 16 | 20 | 25 | 30 | 40 | | 10 | 4 | 0.95 | 0.82 - 1.8 |
| SPD-M8-H | M8 | | | 10 | 12 | 16 | 20 | 25 | 30 | 40 | | 13 | 5.3 | 2.26 | 1.7 - 3.5 |

*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 |
|-------------|--------------|
| SPD-M3-H | 1 |
| SPD-M4-H | 1 |
| SPD-M5-H | 1 |
| SPD-M6-H | 1 |
| SPD-M8-H | 1 |

● Related Products

[SPDC-H] VESPEL SCP-5000/ Hexagon Head Screw, which has a continuous duty temperature of 350 deg C is available. → P.731



● Part number specification

SPD - M5 - 20 - H

Product Code Product Code

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