

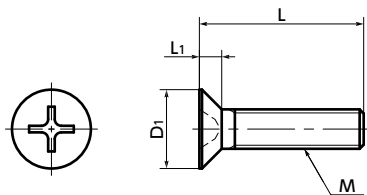
SPA-F Plastic Screws - Cross Recessed Flat Head Machine Screws - RENY



WEB Selection Tool

WEB CAD Download

High strength



● Material/Finish

RoHS Compliant

	SPA-F
Main body	RENY* (50% Glass Fiber Reinforced Polyamide MXD6) /Ivory
Heat Resistance Temperature**	105°C

*RENY is a registered trademark of Mitsubishi Engineering-Plastics Corporation.

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

- RENY is a thermoplastic super-engineering plastic with excellent tensile and flexural strength.
- Screws have excellent fatigue resistance, cleanliness, and thermal insulation.
- It has a hardness level near that of metal but its mass is 1/5th that of iron.
- The properties and precautions of plastic screws → P.724

● Application

Electrical and electronic equipment, insulation and dew condensation prevention for refrigerators and freezers, aquatic applications, electrochemical plating, lightweight applications in automobiles, aircrafts, and spacecrafts

Unit : mm

Part Number	M	L								D1	L1	Tension*1 Rupture Load (N)	Torsional*1 Torque (N·m)	Mass (g)	
SPA-M2-F	M2		6	8	10					4	1.2	303	0.1	0.038 - 0.053	
SPA-M3-F	M3	5	6	8	10	12	15			6	1.75	635	0.39	0.1 - 0.19	
SPA-M4-F	M4		6	8	10	12	15	20		8	2.3	1470	0.79	0.22 - 0.45	
SPA-M5-F	M5				10	12	15	20		10	2.8	2450	1.77	0.52 - 0.76	
SPA-M6-F	M6				10	12	15	20		12	3.4	3140	2.94	0.83 - 1.2	
SPA-M8-F	M8						15	20	25	30	16	4.4	5100	7.85	2.1 - 3.1

*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*1
SPA-M2-F	50
SPA-M3-F	50
SPA-M4-F	50
SPA-M5-F	20
SPA-M6-F	20
SPA-M8-F	10

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

● Part number specification

SPA - M5 - 20 - F

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

Order in number of packs.
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	Not Available	Not Available	Not Available