



TECHNICAL DATA SHEET

PRODUCT NAME:

Nylon Phillips Pan Head
Machine Screws – M4 & M5

PRODUCT CODE:

NP-M4-V1
NP-M5-V1

CATEGORY:

Nylon Fasteners



Standards Reference

- Pan head geometry comparable to ISO 7045 / DIN 7985
- Metric thread compatible with ISO standard M4 / M5 pitch
- Phillips cross recess drive



Product Description

Injection moulded Nylon (Polyamide) Phillips pan head machine screws designed for electrically insulating, corrosion-resistant, and lightweight fastening applications. Suitable for electrical panels, electronics enclosures, sheet metal assemblies, and general industrial equipment.

These screws are intended for light to medium duty fastening applications where metal fasteners are not preferred.

Application

Electrical control panels | Distribution boards and switchgear | PCB and electronics enclosure mounting | Sheet metal cabinets | Solar inverter and UPS enclosures | Automotive interior and trim fastening (non-structural use) | Battery housing and insulation assemblies | Industrial control equipment

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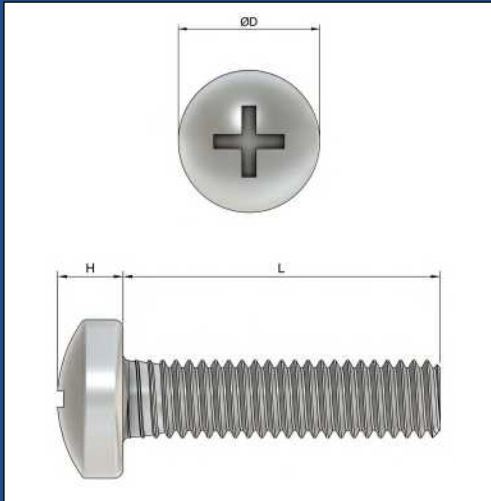
Production Capability

- ✓ Dedicated production tool available
- ✓ Supports small to medium batch production
- ✓ Stable and repeatable production process
- ✓ Small to medium batch production supported
- ✓ Tool development support available for new sizes



Quality Assurance

- ✓ Dimensional inspection during production
- ✓ Visual quality inspection
- ✓ Thread compatibility verification
- ✓ Batch traceability maintained
- ✓ Final Inspection Report (FIR) issued with every invoice



Key Features

- ✓ Metric ISO thread compatibility
- ✓ Electrically insulating and non-conductive
- ✓ Non-corrosive and moisture resistant
- ✓ Lightweight engineering polymer fastener
- ✓ Non-magnetic material
- ✓ Suitable for environments where metal fasteners are not preferred
- ✓ Does not damage painted or coated surfaces

Technical Data Specification

Information	M4	M5
Thread Type	ISO Metric M4 x 0.7	ISO Metric M5 x 0.8
Head Diameter (D)	8 mm	10 mm
Thread Length (L)	5.5 mm	6 mm
Head Length (H)	3 mm	3 mm
Pitch	0.7 mm	0.8 mm
Drive Type	Phillips Pan Head	
Material	Polyamide (Nylon – PA6 / PA66)	
Finish	Natural / Black / White	
Density	1.12–1.14 g/cm ³	
Tensile Strength	~70–75 MPa	
Electrical Insulation	High dielectric strength (~26–28 kV/mm, ASTM D149)	
Operating Temperature Range	-20°C to +90°C (continuous use)	
Heat Deflection Temperature (66 psi)	~155°C	