

Precision Steel & Components Ltd.

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BILL OF MATERIALS (BOM)

BOM INFORMATION

BOM Revision:	Rev 1.5
BOM Date:	October 10, 2025
Status:	Approved

REFERENCE INFORMATION

Customer PO:	PO-2025-15903
Customer:	AutoTech Manufacturing Corp.
Project Code:	PRJ-AT-2025-Q4B
Prepared By:	Technical Dept.

MATERIAL IDENTIFICATION

ID	TYPE/PART DESIGNATION	DIMENSIONS	MATERIAL GRADE
MAT-4829	Seamless Carbon Steel Pipe	NPS 2" (60.3 mm OD) x SCH 40 x 6000 mm	ASTM A106 Grade B

Material Overview: Hot-finished seamless carbon steel pipe suitable for high-pressure applications, structural supports, and mechanical systems. Manufactured to ASTM A106 Grade B specifications for enhanced strength and reliability.

TECHNICAL SPECIFICATIONS

Material Standard:	ASTM A106 Grade B / ASME SA-106 B
Pipe Type:	Seamless (no weld seam)
Nominal Pipe Size:	NPS 2" (DN 50)
Outside Diameter (OD):	60.3 mm (2.375 inches)
Schedule:	SCH 40 (Schedule 40)
Wall Thickness:	3.91 mm (nominal)
Inside Diameter (ID):	52.48 mm (nominal)
Length:	6000 mm (6 meters)
End Finish:	Plain end (PE), square cut
Surface Finish:	Black finish (as-rolled)
Length Tolerance:	+50 mm / -0 mm
Weight per Pipe:	22.3 kg (approx.)
Testing Required:	Hydrostatic test, mill test certificate (MTC) 3.1, dimensional check

Technical Contact: Thomas Richardson, Technical Sales | **Approved By:** Quality Assurance Department

Document Control: This BOM is controlled by Precision Steel & Components Ltd. All pipes must be seamless and manufactured per ASTM A106 Grade B specifications.