

TECHNICAL DATA & SUBMITTAL SHEET

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PROKAHL Drywall Fasteners — Complete Product Range

ASTM C1002 | ASTM B117 | ISO 9001:2015 | ISO 14001:2015 | All 12 Active SKUs | Greater Vancouver Area & Fraser Valley

This Technical Data and Submittal Sheet has been prepared by PROKAHL Construction Solutions to provide design professionals, specifiers, project managers, and procurement personnel with comprehensive technical information regarding the PROKAHL drywall fastener product range. All screw products are manufactured in facilities certified to ISO 9001:2015 and ISO 14001:2015. All drywall screw products comply with ASTM C1002 performance requirements and have been independently tested to ASTM B117 (Salt Spray / Fog) corrosion resistance protocols.

STANDARD LAB-VERIFIED PERFORMANCE — ALL PROKAHL FASTENER SKUs

Test Parameter	Verified Result	Test Standard / Method	Notes
Torsional Strength	43.7 kgf-cm	ASTM C1002	Per ASTM C1002 minimum
Hardness (Vickers HV)	560 HV	ISO 6507-1	Case hardness
Case Depth	48.8 um	ISO 2639	Effective case
Ductility (Elongation)	1.8 mm	ASTM E8/E8M	Bend test
Salt Spray Resistance	48 h — No Red Rust	ASTM B117	Controlled fog
Standard Compliance	Full Conformance	ASTM C1002	Independently verified

DISCLAIMER: Salt Spray Testing results are obtained under tightly controlled laboratory conditions and are intended solely as a comparative corrosion resistance indicator. ASTM B117 results are not predictive of actual service life or field corrosion performance. For project-specific requirements, consult the architect, structural engineer of record, or a qualified corrosion specialist. Technical information is used at the recipient's sole risk.

COMPLETE PRODUCT LINE — ALL 12 ACTIVE SKUs

SKU	Description	Size	Thread	Finish	Qty / Box	Wt / Box
PHDW614	Coarse Thread — Drywall to Wood ★	#6 x 1-1/4"	Coarse	Black Phosphate	8,000	28 lb
PHDW658	Coarse Thread — Drywall to Wood	#6 x 1-5/8"	Coarse	Black Phosphate	5,000	22 lb
PHDW72	Coarse Thread — Drywall to Wood	#7 x 2"	Coarse	Black Phosphate	3,500	25 lb
PHDW614F	Fine Thread — Drywall to Light-Gauge Metal ★	#6 x 1-1/4"	Fine	Black Phosphate	8,000	28 lb
PHDW72F	Fine Thread — Drywall to Light-Gauge Metal	#7 x 2"	Fine	Black Phosphate	3,500	25 lb
PHDW614ST	Zinc TEK 3 Self-Drilling — Drywall to Heavy-Gauge Steel	#6 x 1-1/4"	Fine	Clear Zinc Plated	8,000	31 lb
PHDW678ST	Zinc TEK 3 Self-Drilling — Drywall to Heavy-Gauge Steel	#6 x 1-7/8"	Fine	Clear Zinc Plated	4,000	23 lb
PLM7716F	Pan Head Framing — Metal to Metal	#7 x 7/16"	Fine	Black Phosphate	10,000	27 lb

PLMT7916P	Modified Truss Head — Metal Framing	#7 x 9/16"	Fine	Black Phosphate	10,000	40 lb
PHMT7916Z	Truss Head Drill Point — Clear Zinc	#7 x 9/16"	Fine	Clear Zinc Plated	8,000	32 lb
PHMT734Z	Truss Head Drill Point — Clear Zinc	#7 x 3/4"	Fine	Clear Zinc Plated	8,000	40 lb
PB2125	Pro-Fit #2 Phillips Drywall Bits (25-pack)	1" (25.4 mm)	--	--	25 pack	--

★ Highest-velocity SKUs — recommended primary stocking items. Standard pricing: orders under 48 boxes. Best pallet pricing tier: 48+ boxes (mixed SKU accepted).

FINISH CLASSIFICATION & CORROSION RESISTANCE REFERENCE

Classification	Finish	Salt Spray (ASTM B117)	Typical Environment	Applicable SKUs
Standard	Black Phosphate	48+ h — No Red Rust	Interior, dry environments	PHDW614, PHDW658, PHDW72, PHDW614F, PHDW72F, PLM7716F, PLMT7916P
Enhanced	Clear Zinc Plated	48+ h — No Red Rust	Commercial, humid, semi-exposed, moisture environments	PHDW614ST, PHDW678ST, PHMT7916Z, PHMT734Z

STEEL GAUGE REFERENCE & QUICK SCREW SELECTOR

Application	Screw Type	Recommended SKU	Thread	Finish
Wood studs/joists — 1/2" board	#6 x 1-1/4" Coarse	PHDW614	Coarse	Black Phosphate
Wood studs/joists — 1/2" or 5/8" board	#6 x 1-5/8" Coarse	PHDW658	Coarse	Black Phosphate
Wood studs/joists — single/double layer	#7 x 2" Coarse	PHDW72	Coarse	Black Phosphate
Light-gauge metal — 1/2" board (25/20 ga)	#6 x 1-1/4" Fine	PHDW614F	Fine	Black Phosphate
Light-gauge metal — single/double layer	#7 x 2" Fine	PHDW72F	Fine	Black Phosphate
Heavy-gauge metal — 1/2" board (18 ga+)	#6 x 1-1/4" Zinc TEK 3	PHDW614ST	Fine	Clear Zinc
Heavy-gauge metal — single/double layer	#6 x 1-7/8" Zinc TEK 3	PHDW678ST	Fine	Clear Zinc
Metal-to-metal — pan head framing	#7 x 7/16" Pan Head	PLM7716F	Fine	Black Phosphate
Metal-to-metal — modified truss head	#7 x 9/16" Modified Truss	PLMT7916P	Fine	Black Phosphate
Metal-to-metal — truss head drill point	#7 x 9/16" Truss Zinc	PHMT7916Z	Fine	Clear Zinc
Metal-to-metal — truss head drill point	#7 x 3/4" Truss Zinc	PHMT734Z	Fine	Clear Zinc

SECTION A — DRYWALL-TO-WOOD SCREWS

Phillips Bugle Head | Coarse Thread | Black Phosphate | Sharp Point

DRYWALL TO WOOD — COARSE THREAD / SHARP POINT

PROKAHL drywall-to-wood screws are engineered to mechanically fix gypsum board securely to wood-framing substrates including dimensional lumber studs, joists, OSB, plywood, and structural wood members. The coarse thread geometry is optimised to maximise pull-out resistance in wood fibre while the sharp point ensures fast, clean penetration without substrate splitting.

KEY FEATURES	APPLICATIONS
Coarse thread profile — maximises pull-out resistance in wood studs and joists	1/2 in. single-layer gypsum board to wood studs and joists
Sharp point — fast, split-free penetration; no pre-drilling required	1/2 in. or 5/8 in. single or double layer board to wood framing
Pro-Fit #2 Phillips recess — reduces cam-out, wobble, and strip-out	Insulation board fastened to wood framing
Black Phosphate finish — 48+ hours no red rust per ASTM B117	OSB or plywood to wood framing
ASTM C1002 compliant ISO 9001 & ISO 14001 certified	Wood-to-wood structural connections
2 FREE Pro-Fit #2 Phillips bits included with every box	

PRODUCT SPECIFICATIONS

Head Type:	Bugle Head
Thread Type:	Coarse
Drive Recess:	#2 Phillips (Pro-Fit Recess)
Finish:	Black Phosphate
Point Type:	Sharp Point
Standard:	ASTM C1002
Certifications:	ISO 9001:2015 & ISO 14001:2015

ORDERING INFORMATION

SKU	Description	Size	Thread	Finish	Qty / Box	Wt / Box
PHDW614	Coarse Thread — Drywall to Wood ★	#6 x 1-1/4"	Coarse	Black Phosphate	8,000	28 lb
PHDW658	Coarse Thread — Drywall to Wood	#6 x 1-5/8"	Coarse	Black Phosphate	5,000	22 lb
PHDW72	Coarse Thread — Drywall to Wood	#7 x 2"	Coarse	Black Phosphate	3,500	25 lb

2 FREE Pro-Fit #2 Phillips bits included with every screw box ordered. Standard pricing: orders under 48 boxes. Pallet pricing (best rate): 48+ boxes, mixed SKU accepted.
ASTM C1002 compliant | ISO 9001 & ISO 14001 certified.

SAFETY:

Always wear appropriate PPE including safety glasses and cut-resistant gloves. Review Safety Data Sheet SDS-PK-001 prior to handling or installation. Comply with all applicable WorkSafeBC OHS Regulations and BC Building Code requirements. Keep fasteners out of reach of children.

SECTION B — DRYWALL-TO-LIGHT-GAUGE METAL SCREWS

Phillips Bugle Head | Fine Thread | Black Phosphate | Sharp Point

DRYWALL TO LIGHT-GAUGE METAL — FINE THREAD / SHARP POINT

PROKAHL drywall-to-light-gauge-metal screws are engineered to mechanically fix gypsum board to light-gauge steel stud and track framing systems (25 ga and 20 ga). The fine thread geometry is specifically optimised for light-gauge steel, providing maximum clamping force without thread stripping.

KEY FEATURES	APPLICATIONS
Fine thread — engineered for light-gauge metal studs and tracks (25 ga, 20 ga)	1/2 in. single-layer gypsum board to light-gauge metal studs and tracks
Sharp point — fast, clean penetration into light-gauge steel; no pre-drilling required	1/2 in. or 5/8 in. single or double layer board to light-gauge metal framing
Pro-Fit #2 Phillips recess — reduces cam-out, wobble, and strip-out	Insulation board to light-gauge metal framing
Black Phosphate finish — 48+ hours no red rust per ASTM B117	OSB or plywood to light-gauge metal framing
ASTM C1002 compliant ISO 9001 & ISO 14001 certified	
2 FREE Pro-Fit #2 Phillips bits included with every box	

PRODUCT SPECIFICATIONS

Head Type:	Bugle Head
Thread Type:	Fine
Drive Recess:	#2 Phillips (Pro-Fit Recess)
Finish:	Black Phosphate
Point Type:	Sharp Point
Standard:	ASTM C1002
Certifications:	ISO 9001:2015 & ISO 14001:2015

ORDERING INFORMATION

SKU	Description	Size	Thread	Finish	Qty / Box	Wt / Box
PHDW614F	Fine Thread — Drywall to Light-Gauge Metal ★	#6 x 1-1/4"	Fine	Black Phosphate	8,000	28 lb
PHDW72F	Fine Thread — Drywall to Light-Gauge Metal	#7 x 2"	Fine	Black Phosphate	3,500	25 lb

2 FREE Pro-Fit #2 Phillips bits included with every screw box ordered. Standard pricing: orders under 48 boxes. Pallet pricing (best rate): 48+ boxes, mixed SKU accepted.
ASTM C1002 compliant | ISO 9001 & ISO 14001 certified.

SAFETY:

Always wear appropriate PPE including safety glasses and cut-resistant gloves. Review Safety Data Sheet SDS-PK-001 prior to handling or installation. Comply with all applicable WorkSafeBC OHS Regulations and BC Building Code requirements. Keep fasteners out of reach of children.

SECTION C — DRYWALL-TO-HEAVY-GAUGE METAL SCREWS

TEK3 Self-Drilling | Fine Thread | Clear Zinc Plated

DRYWALL TO HEAVY-GAUGE METAL — TEK 3 SELF-DRILLING / CLEAR ZINC

PROKAHL drywall-to-heavy-gauge-metal screws are engineered to mechanically fix gypsum board to heavy-gauge steel substrates (18 ga and thicker). The TEK 3 self-drilling point eliminates the requirement for pre-drilling. Clear Zinc Plated finish provides enhanced corrosion resistance for commercial, industrial, and moisture-exposed environments.

KEY FEATURES	APPLICATIONS
TEK 3 self-drilling point — drills through heavy-gauge steel; no pre-drilling required	1/2 in. gypsum board to heavy-gauge metal studs and tracks (18 ga and thicker)
Fine thread — maximum clamping force in heavy-gauge metal studs (18 ga and thicker)	1/2 in. or 5/8 in. single or double layer board to heavy-gauge metal
Pro-Fit #2 Phillips recess — reduces cam-out, wobble, and strip-out	Commercial and industrial construction in moisture-exposed environments
Clear Zinc Plated finish — enhanced corrosion resistance, 48+ hours per ASTM B117	HVAC duct work and sheet steel applications
Suitable for commercial, industrial, and moisture-exposed environments	
ASTM C1002 compliant ISO 9001 & ISO 14001 certified	

PRODUCT SPECIFICATIONS

Head Type:	Bugle Head
Thread Type:	Fine
Drive Recess:	#2 Phillips (Pro-Fit Recess)
Finish:	Clear Zinc Plated
Point Type:	TEK 3 Self-Drilling
Standard:	ASTM C1002
Certifications:	ISO 9001:2015 & ISO 14001:2015

ORDERING INFORMATION

SKU	Description	Size	Thread	Finish	Qty / Box	Wt / Box
PHDW614ST	Zinc TEK 3 Self-Drilling — Drywall to Heavy-Gauge Steel	#6 x 1-1/4"	Fine	Clear Zinc Plated	8,000	31 lb

PHDW678ST	Zinc TEK 3 Self-Drilling — Drywall to Heavy-Gauge Steel	#6 x 1-7/8"	Fine	Clear Zinc Plated	4,000	23 lb
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2 FREE Pro-Fit #2 Phillips bits included with every screw box ordered. Standard pricing: orders under 48 boxes. Pallet pricing (best rate): 48+ boxes, mixed SKU accepted.
ASTM C1002 compliant | ISO 9001 & ISO 14001 certified.

SAFETY:	Always wear appropriate PPE including safety glasses and cut-resistant gloves. Review Safety Data Sheet SDS-PK-001 prior to handling or installation. Comply with all applicable WorkSafeBC OHS Regulations and BC Building Code requirements. Keep fasteners out of reach of children.
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SECTION D — METAL FRAMING SCREWS — PAN HEAD & TRUSS HEAD

Pan Head | Modified Truss Head | Truss Head Drill Point | Fine Thread

METAL-TO-METAL FRAMING — PAN HEAD & TRUSS HEAD

PROKAHL metal framing screws are engineered for metal-to-metal framing connections in light-gauge steel construction. Three head profiles are available: pan head (PLM7716F), modified truss head black phosphate (PLMT7916P), and truss head drill point clear zinc (PHMT7916Z, PHMT734Z). Each profile is designed for specific framing and sheet steel applications requiring a wide bearing surface and high pull-through resistance.

KEY FEATURES	APPLICATIONS
Pan / truss head profile — wide bearing surface, maximum pull-through resistance	Light-gauge steel framing — stud-to-track connections
Extra-sharp single-lead point (PLM7716F, PLMT7916P) — fast penetration into light-gauge steel	Fastening steel studs to door frame jamb anchor clips
Drill point variants (PHMT7916Z, PHMT734Z) — self-drilling through heavier gauges	Sheet steel fabrication and HVAC light-gauge applications
Pro-Fit #2 Phillips recess — reduces cam-out, wobble, and strip-out	Light-gauge and heavy-gauge steel-to-steel connections
Available in Black Phosphate and Clear Zinc Plated finishes	Metal-to-metal connections requiring wide-head bearing surface
ISO 9001 & ISO 14001 certified manufacturing	

PRODUCT SPECIFICATIONS

Head Type:	Pan Head (PLM7716F) / Truss Head (PLMT7916P, PHMT7916Z, PHMT734Z)
Thread Type:	Fine
Drive Recess:	#2 Phillips (Pro-Fit Recess)
Finish:	Black Phosphate (PLM7716F, PLMT7916P) / Clear Zinc Plated (PHMT7916Z, PHMT734Z)
Point Type:	Single-Lead Sharp (PLM7716F, PLMT7916P) / Drill Point (PHMT7916Z, PHMT734Z)
Standard:	ASTM C1002
Certifications:	ISO 9001:2015 & ISO 14001:2015

ORDERING INFORMATION

SKU	Description	Size	Thread	Finish	Qty / Box	Wt / Box
PLM7716F	Pan Head Framing — Metal to Metal	#7 x 7/16"	Fine	Black Phosphate	10,000	27 lb

PLMT7916P	Modified Truss Head — Metal Framing	#7 x 9/16"	Fine	Black Phosphate	10,000	40 lb
PHMT7916Z	Truss Head Drill Point — Clear Zinc	#7 x 9/16"	Fine	Clear Zinc Plated	8,000	32 lb
PHMT734Z	Truss Head Drill Point — Clear Zinc	#7 x 3/4"	Fine	Clear Zinc Plated	8,000	40 lb

2 FREE Pro-Fit #2 Phillips bits included with every screw box ordered. Standard pricing: orders under 48 boxes. Pallet pricing (best rate): 48+ boxes, mixed SKU accepted.
ASTM C1002 compliant | ISO 9001 & ISO 14001 certified.

SAFETY:

Always wear appropriate PPE including safety glasses and cut-resistant gloves. Review Safety Data Sheet SDS-PK-001 prior to handling or installation. Comply with all applicable WorkSafeBC OHS Regulations and BC Building Code requirements. Keep fasteners out of reach of children.

SECTION E — PRO-FIT #2 PHILLIPS DRYWALL BITS

1inch (25.4mm) | #2Phillips | 25-Pack | SKU:PB2125

DRYWALL BITS — PRO-FIT #2 PHILLIPS (PB2125)

PROKAHL Pro-Fit #2 Phillips drywall bits are precision-machined for compatibility with all PROKAHL fastener products. The Pro-Fit recess geometry delivers precise bit engagement that reduces wobble, minimises cam-out, and extends bit service life. Two bits are included at no charge with every screw box ordered. Available separately as standalone 25-pack retail units under SKU PB2125.

KEY FEATURES	APPLICATIONS
Pro-Fit #2 Phillips geometry — minimises cam-out and strip-out on every drive	Driving all PROKAHL drywall, metal framing, and TEK 3 screw products
Precision-machined for reduced wobble during high-speed screw gun operation	Screw guns operating up to 4,000 RPM — sizes #6 to #10
Compatible with all PROKAHL screw products	Replacement bits for job site use
2 FREE bits included at no charge with every PROKAHL screw box ordered	
Available separately as a 25-pack (SKU: PB2125)	
100% Canadian owned and operated	

PRODUCT SPECIFICATIONS	
Head Type:	N/A
Thread Type:	N/A
Drive Recess:	#2 Phillips
Finish:	N/A
Point Type:	N/A
Standard:	Compatible with all PROKAHL SKUs
Certifications:	ISO 9001:2015 certified facility

ORDERING INFORMATION

SKU	Description	Size	Thread	Finish	Qty / Box	Wt / Box
PB2125	Pro-Fit #2 Phillips Drywall Bits (25-pack)	1" (25.4 mm)	--	--	25 pack	--

2 FREE Pro-Fit #2 Phillips bits included with every screw box ordered. Standard pricing: orders under 48 boxes. Pallet pricing (best rate): 48+ boxes, mixed SKU accepted. ASTM C1002 compliant | ISO 9001 & ISO 14001 certified.

SAFETY:

Always wear appropriate PPE including safety glasses and cut-resistant gloves. Review Safety Data Sheet SDS-PK-001 prior to handling or installation. Comply with all applicable WorkSafeBC OHS Regulations and BC Building Code requirements. Keep fasteners out of reach of children.

INSTALLATION GUIDE — BEST PRACTICES FOR PROKAHL FASTENERS**1. Select the Correct Screw**

Use the Quick Screw Selector in this document to match the correct PROKAHL fastener to the substrate. Confirm the metal stud gauge (light vs. heavy steel) before selecting between fine-thread sharp-point and TEK 3 self-drilling variants. Using an incorrect fastener type may result in reduced holding strength and may not comply with applicable building code requirements.

2. Set Up Your Screw Gun

Use a standard variable-speed screw gun fitted with a depth-sensitive nose piece. PROKAHL fasteners are designed for optimal performance with screw guns sized #6 to #10, operating at up to 4,000 RPM. A depth-sensitive nose piece is essential to prevent overdriving.

3. Position and Drive

Position the fastener perpendicular to the board surface. Drive until the bugle head sits just below the board surface, creating a slight dimple without breaking the face paper of the gypsum board. Proper seating is required to comply with ASTM C840 and BC Building Code requirements.

4. Avoid Overdriving

Do not overdrive the fastener. Overdriving tears the face paper and reduces pull-out resistance, causing fastener and board failure. Use the depth-sensitive nose piece on every drive. Damaged or overdriven fasteners must be supplemented with additional correctly installed fasteners.

5. Use Your Free #2 Phillips Bit

All PROKAHL screw products feature the Pro-Fit #2 Phillips recess. Every box includes 2 free Pro-Fit #2 bits. Always use a sharp, correctly sized bit. Worn or undersized bits increase the risk of strip-out and cam-out, damaging the fastener and board surface.

6. Follow Code-Required Spacing

Install fasteners in accordance with applicable building code requirements and engineer-of-record specifications. Typical BC Building Code requirements: 8 in. o.c. on ceiling framing; 12 in. o.c. on wall framing (single layer). Confirm with the current BCBC and project specifications prior to installation.

7. TEK 3 Self-Drilling Screws

For heavy-gauge metal substrates (18 ga and thicker), use PHDW614ST or PHDW678ST (TEK 3 self-drilling). Do not use sharp-point fine-thread screws on heavy-gauge steel — the point will not penetrate reliably and the fastener may not achieve proper seating depth.

**SAFETY
REMINDER:**

Always wear appropriate PPE including safety glasses and cut-resistant gloves when handling fasteners. Review the Safety Data Sheet (SDS-PK-001) before handling or installation. Comply with all applicable WorkSafeBC OHS Regulations and BC Building Code requirements. Keep fasteners out of reach of children.

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