

TECHNICAL DATA SHEET • PIPE & FLANGE INSPECTION EQUIPMENT



Model: GAL-12F / Cat # 12F

G.A.L. Gage Co. CAT-12F Pipe & Flange Inspection Tool Kit

Specialized Pipeline, Flange Fit-Up, & Weld Quality Inspection Kit

Designed specifically for oil and gas pipeline construction, refinery maintenance, power generation plants, and heavy industrial piping, the **CAT-12F Tool Kit** equips inspectors with precision instruments tailored for pipe alignment, gasket crush, and flange fit-up.

Housed in a durable, foam-lined protective carrying case with secure latches, this kit ensures all critical flange and weld measurement tools remain organized and ready for rigorous field service.

TECHNICAL SPECIFICATIONS & CASE DETAILS

Manufacturer: G.A.L. Gage Co.	Model / Cat #: CAT-12F (GAL-12F)
Case Enclosure: Heavy-Duty Briefcase with Custom Protective Foam Interior	Primary Application: Pipeline Construction, Flange Fit-Up & Refinery Maintenance
Measurement Scale: Available in Inch or Metric (Burk Flange Tool in Inch)	Compliance: ASME, API, AWS & ANSI B16.5 Flange Standards

KIT HIGHLIGHTS & INCLUDED INSTRUMENTS

The CAT-12F kit incorporates high-grade stainless steel gauges engineered for accurate pipe fit-up verification and weld flaw detection. Continue to Page 2 for the complete itemized contents list.

- **Flange Fit-Up Specialization:** Includes the specialized Burk Flange Alignment Tool for checking proper gasket crush (150 to 1200 lb flanges) and external misalignment.
- **Comprehensive Pipe Gauging:** Combines Hi-Lo alignment gauges, V-WAC undercut tools, and a 7-piece fillet weld set.
- **Rugged Field Readiness:** Organized in a professional custom foam case complete with high-intensity inspection light and telescoping mirror.

ITEMIZED CONTENTS & ORDERING INFORMATION

COMPLETE TOOL INVENTORY (CAT-12F)

Instrument Name	Primary Function / Application	Scale Type
Burk Flange Alignment Tool	Checks for proper gasket crush (150 to 1200 lb flanges) and external pipe flange misalignment.	Inch Only
V-WAC Gauge	Measures undercut depth, porosity comparison, crown height, and general weld dimensions.	Inch or Metric
7pc Fillet Weld Set	Accurately checks fillet weld leg length and throat dimensions across multiple sizes.	Inch or Metric
Hi-Lo Welding Gauge	Checks internal alignment of pipe prior to and after welding to eliminate root rejects.	Inch and Metric
6" SPI Scale	Precision stainless steel pocket scale for linear measurements and layout verification.	Inch or Metric
Telescoping Inspection Mirror	Inspects root passes, hidden weld zones, and restricted pipe areas.	Standard
Heavy-Duty Flashlight	Provides bright illumination for examining pipe internals and weld surfaces in dark zones.	Standard

ORDERING & PRODUCT OPTIONS

Model Number	Description
GAL-12F (Cat #12F)	Pipe & Flange Inspection Tool Kit — Inch Scale
GAL-12F-M (Cat #12F-M)	Pipe & Flange Inspection Tool Kit — Metric Scale (Burk Tool in Inch)



Ready to Order or Request a Quote?

Contact ABQ Industrial sales engineers for pricing, calibration certificates, and delivery options.

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