



 **BRUNTON**

2025

PRODUCT GUIDE

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GEOLOGY

The geological industry that gave birth to Brunton is still at the core of our brand and product range. Geologists around the world rely on our transits as an essential part of their field kit.

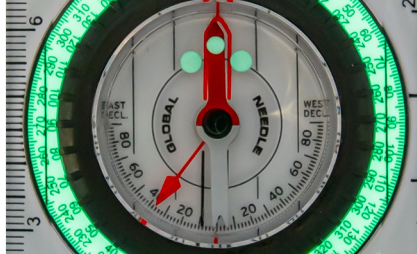


Pocket Transits

Globally preferred by field professionals, who need the highest level of precision and durability.



Product Name	Axis Transit	Geo Transit	Standard Transit	ComPro Transit	Miners D-Light Transit	Tactical Transit	GeoLite Transit
Models E = Laser Engravable P = Custom Pad-Printable	E F-5012 (0-360°) F-5011 (0-90° Quad) SILVER (default) Additional Colors ORANGE - OR	E F-5010 (0-360°) F-5009 (0-90° Quad)	E F-5020 (0-360°) F-5021 (0-90° Quad) SILVER (default) Additional Colors BLUE - BL GOLD - GD ORANGE - OR PURPLE - PU (NEW!)	F-5008 (0-360°) F-5007 (0-90° Quad)	F-5040 (0-360°) F-5041 (0-90° Quad)	F-6050 (0-6400 mills) F-6060 (0-360°)	P F-5030-N F-5030-E F-5030-S
Description	A twist on the traditional transit. The Axis can take simultaneous measurements of strike & dip, trend & plunge, dip & dip direction, or bearing & angle, making data collection faster and easier than ever.	A universal mapping tool that combines traditional methods with some simultaneous measurement capabilities.	The best features of our traditional transits, upgraded into this CNC milled body with a flat base for low-angle measurements. Multiple color options for enhanced visibility in the field.	An ultralight mapping tool for those looking to save weight in the field, with the same internal components and measurement methods as our CNC milled transits.	The classic ComPro transit, illuminated for low light conditions such as mines or caves. Battery-operated EL panels stay illuminated for 60 seconds with each push of the button.	The tactical transit used by the U.S. Military. Built with a green composite body and the same internal components as other Brunton transits.	Geology-specific baseplate compass for students and field geologists who prefer a lightweight option or need an effective backup compass for backcountry work.
Measurements	Strike & Dip Dip & Dip Direction Simultaneous: Strike & Dip Trend & Plunge Dip & Dip Direction (adjust ring) Bearing & Angle	Strike & Dip Dip & Dip Direction Simultaneous: Dip & Dip Direction Trend & Plunge (limited)	Strike & Dip	Strike & Dip	Strike & Dip	Strike & Dip	Strike & Dip Dip & Dip Direction Simultaneous: Dip & Dip Direction
Dimensions (closed)	3.9 x 2.8 x 1.1 in 9.9 x 7.1 x 2.9 cm	3.7 x 2.8 x 1.3 in 9.4 x 7.1 x 3.4 cm	3.2 x 2.8 x 1.3 in 8.0 x 7.1 x 3.4 cm	3.1 x 2.7 x 1.4 in 8.0 x 7.0 x 3.4 cm	3.1 x 2.7 x 1.4 in 8.0 x 7.0 x 3.4 cm	3.1 x 2.7 x 1.4 in 8.0 x 7.0 x 3.4 cm	4 x 2.5 x 0.7 in 10.2 x 6.4 x 1.8 cm
Weight	12 oz 340 g	10.4 oz 293 g	7.0 oz 197 g	5.8 oz 165 g	5.15 oz 146 g	5.8 oz 165 g	2.9 oz 83 g
Azimuth	+/- 1/2° w/ 1° graduations	+/- 1/2° w/ 1° graduations	+/- 1/2° w/ 1° graduations	+/- 1/2° w/ 1° graduations	+/- 1/2° w/ 1° graduations	+/- 1/2° w/ 1° graduations	+/- 1° w/ 2° graduations
Declination Adjustment	+/- 180°	+/- 180°	+/- 180°	+/- 180°	+/- 180°	+/- 180°	+/- 180°
Hinge Clinometer	+/- 1° w/ 2° graduations	+/- 1° w/ 2° graduations					+/- 2 1/2° w/ 5° graduations
Protractor	(on-lid) +/- 1/2° w/ 1° graduations						on-baseplate w/ 2° graduations
Internal Clinometer	Gravity-controlled, 360° of 1° graduations for +/- 1/2° accuracy		Lever-controlled, 180° of 1° graduations for +/- 1/2° accuracy				+/- 2 1/2° w/ 5° graduations
Percent Grade		5% graduations	5% graduations	5% graduations	5% graduations	5% graduations	
Body	CNC milled aluminum w/ hard-anodized finish			Lightweight composite			Acrylic baseplate w/ glass-filled PA lid
Leather Case Included	•	•	•	•	•	•	
Needle Magnet	NdFeB disc	NdFeB disc	NdFeB disc	NdFeB disc	NdFeB disc	NdFeB disc	EverNorth
Induction Dampened	•	•	•	•	•	•	Liquid Dampened
Sapphire Jewel Bearing	•	•	•	•	•	•	•
Custom Needle Balancing	•	•	•	•	•	•	N, Eq, or S needles
Needle Lock	Adjustable - default is locked when released		Non-adjustable, locked when needle button is pressed				
Sighting Capabilities	Hollow hinge sighting tube		Mirror w/ window on inside of lid				
Short and Long Sights		•	•	•	•	•	
Side Vial Levels	•	•					
Flat Bottom	•	•	w/ non-slip silicon foot				•
Water Resistant	•	•	•	•	•	•	•
Hinge/Lid Range	360° around 2 axes	220°	180°	180°	180°	180°	180°
Bottle Opener!	•		•				
Tripod Compatibility	Built-in slots for Brunton ball and socket transit mount to use with tripod or monopod/Jacob's Staff						



Backcountry explorers and outdoor enthusiasts depend on navigational tools as a matter of safety. They need professional-grade reliability combined with ease of use. We strive to equip and educate the entire spectrum of outdoor adventurers to safely navigate and explore the outdoors.



Recreational Compasses

Number 1 of the 10 Essentials: a map & compass, and knowing how to use them.

Product Name	TruArc 20	TruArc 15	TruArc 10	TruArc 5	TruArc 3	Scout	Instructor Kits
Models GLOW = phosphorescent P = Custom Pad-Printable	P F-TRUARC20 F-TRUARC20-GLOW	P F-TRUARC15 F-TRUARC15-GLOW	F-TRUARC10 F-TRUARC10-GLOW	P F-TRUARC5	P F-TRUARC3	F-8010-GL default model is phosphorescent	P F-8900C-12 F-8900C-24
Description	Our most advanced baseplate compass with sighting mirror, quick-reference lid, and protective rubber foot that stores reference cards with an array of scales.	This mirrored baseplate compass offers professional features ideal for advanced navigation, snow-safety, search and rescue, or scientific field work.	Explorers can depend on this high precision, mirrorless compass. A full set of navigation features and Romer scales offer seamless GPS integration.	This compass makes intensive map work a cinch with a map magnifier to ensure you see every detail. Large baseplate is ideal for accurate triangulation.	Our best-selling baseplate compass. Classic, simple, and reliable, this compass is an essential tool on any trail.	A traditional scouting compass that works 24-7! Luminous readout enables navigation any time while a larger baseplate is perfect for trip planning and classic route-finding.	Teach vital map and compass skills with our kits. Includes: - 12 or 24 TruArc 3 Compasses - Instructor Carrying Case - Field Guide - Student Workbook - Instructor Study Guide - Large Instructor's Model
Dimensions	4.2 x 2.7 x 0.95 in 10.7 x 6.9 x 2.4 cm	4 x 2.5 x 0.7 in 10.2 x 6.4 x 1.8 cm	5.1 x 2.8 x 0.5 in 13.0 x 7.1 x 1.3 cm	4.3 x 2.9 x 0.6 in 10.9 x 7.4 x 1.5 cm	3.5 x 2.5 x 0.6 in 8.9 x 6.4 x 1.4 cm	4.1 x 2.4 x 0.6 in 10.4 x 6.1 x 1.5cm	11.1 x 10.9 x 2.8 in 28.2 x 27.7 x 7.1 cm
Weight	3.6 oz 101 g	2.4 oz 68 g	1.7 oz 48 g	1.6 oz 45 g	1.1 oz 32 g	1.3 oz 36 g	31 oz 875 g 44 oz 1256 g
Azimuth resolution	1°	1°	1°	2°	2°	2° for 0-360°	2°
Global Needle	•	•	•	•	•	•	•
Tool-Free Declination	•	•	•	•	•	•	•
Map Meridian Lines	•	•	•	•	•	on baseplate	•
Inch/MM Scales	•	•	REVERSIBLE	•	•	•	•
Luminous Option	•	•	•	•	•	•	•
Magnified Readout	•	•	•	•	•	•	•
Reciprocal Azimuth Ring	•	•	•	•	•	•	•
Sighting Mirror	•	•	•	•	•	•	•
Clinometer	•	•	•	•	•	•	•
Bubble Level	•	•	•	•	•	•	•
Map Magnifier	•	•	•	•	•	•	•
Quick-Reference Lid	•	•	•	•	•	•	•
Cover & Rubber Foot	•	•	•	•	•	•	•
GPS Confidence Circles	•	•	•	•	•	•	•
Romer (UTM) Scales	•	•	•	•	•	•	•
Inch/CM Ruler Lanyard	•	•	•	•	•	•	•





SUSTAINABILITY MILESTONES

MADE IN USA

100% of our compasses are manufactured in our Riverton, WY facility.

MANUFACTURING

Processes are continually being streamlined to increase efficiency and decrease waste.

SOURCING

Our supply chain is over 70% domestic, and we are working on bringing even more of that home.

REPAIR

We continue our long heritage of repairing our professional transits and sighting instruments.

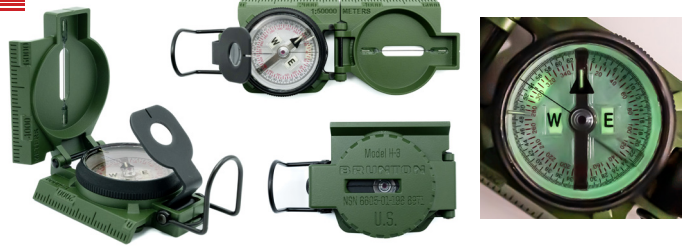
PACKAGING

Our outer packaging is FSC-certified, recyclable and made from recycled materials whenever possible.



Lensatic Compasses

Introducing two new lensatic compass models that meet US military specifications. Brunton is proud to add these Wyoming-made models to our long history of quality military compasses.



Product Name	H-3	Model 94
Models	F-H3-NH (Northern needle) F-H3-SH (Southern needle)	F-94-NH (Northern needle) F-94-SH (Southern needle)
Description	The Brunton H-3 is illuminated with tritium and meets all US military specifications for the most popular type of soldier's compass.	The Brunton Model 94 is the phosphorescent version of our military lensatic compass. The only difference is the illumination source.
Illumination	7 sealed tritium vials that provide self-illumination for 12 years	7 phosphorescent vials that glow after exposure to an external light source
Dimensions	Closed: 3.0 x 2.3 x 1.2 in 7.6 x 5.8 x 3.0 cm Open length: 5.7 in 14.5 cm	
Weight	Without Case: 5.76 oz 163 g With Case: 6.9 oz 196 g	
Compass Format	0-6400 mils on outside of disc in black; 0-360 azimuth on inside in red	
Compass Graduations	20 mil graduations 5° graduations	
Needle	Rare-earth needle on sapphire bearing, dampened by copper pan; Available in N and S	
Vial	Dry, non-liquid-filled vial performs in wide range of temperatures and altitudes	
Body Construction	Rugged, die-cast aluminum with "military green" powder coat; Waterproof, Dustproof, Shockproof	
Carrying Case	Unique design for 2" belt loop, ALICE clip, and MOLLE system; Made of durable nylon	
Included Components	Carrying case, lanyard, instruction card; Donation to DAV with each purchase	



Vintage Pocket Compass

E	F-1894DWB
Modeled after an original D.W. Brunton design, this compass pays tribute to over a century of innovation.	
2.7 x 2 x 0.7 in 6.7 x 5.1 x 1.7 cm	
2.2 oz 61 g	

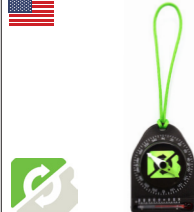


Teton Topo Pocket Compass

E	F-5031
An updated classic, with a black anodized finish and a topographic map of the Grand Teton in Wyoming.	
2 x 2 x 0.7 in 5.1 x 5.1 x 1.7 cm	
2.1 oz 59 g	

ECompasses

The world's only recycled compass line, reusing manufacturing waste and other plastics!



Product Name	Scout ECompass	Tag-Along 9045 Chill ECompass
Models P = Custom Pad-Printable	F-8010-ECO	P F-9045-ECO (Fahrenheit, °F) F-9045-ECO-K (Celsius, °C)
Description	A traditional scouting compass made from 83% recycled and reclaimed acrylic.	A small compass and thermometer to bring with you anywhere.
Dimensions	4.1 x 2.4 x 0.6 in 10.4 x 6.1 x 1.5 cm	2.5 x 1.8 x 0.4 in 6.4 x 4.6 x 1.0 cm
Weight	1.3 oz 36 g	0.6 oz 16 g
Resolution	2° for 0-360°	5°
8010 Feature Set	•	
Reclaimed Acrylic Baseplate	•	•
Recycled RPET Strap	•	•

Tag-Alongs

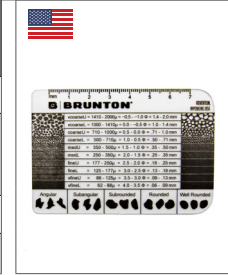
These compact compasses can attach to packs, jackets, or keys so they are always with you!



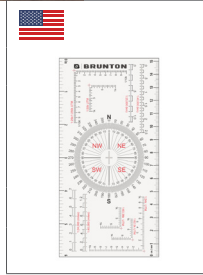
Product Name	Tag-Along 9045 Chill Compass	Tag-Along 9041 Glow Compass	Tag-Along 9040 Compass
Models P = Custom Pad-Printable	P F-9045-OR (°F) F-9045K-OR (°C)	P F-9041-OR	P F-9040-OR
Description	A small compass and thermometer all-in-one.	Navigate even in the dark, with this compass that can attach to almost anything.	Navigation is always on-hand when you hitch this compass to zippers, webbing or keys.
Dimensions	2.5 x 1.8 x 0.4 in 6.4 x 4.6 x 1.0 cm	2 x 1.7 x 0.4 in 5 x 4.3 x 1.0 cm	2 x 1.7 x 0.4 in 5 x 4.3 x 1.0 cm
Weight	0.6 oz 16 g	0.6 oz 18 g	0.6 oz 18 g
Resolution	5°	5°	5°
Thermometer	Celsius or Fahrenheit		



	Quick Reference Card Set
	F-QRCARDS
	Navigation and general tips and tricks card set for when you plan to navigate in the backcountry.
	3.6 x 2.5 x 0.04 in 9.1 x 6.4 x 0.1 cm
	0.5 oz 13.6 g



	Grain Size Card
	F-GRAINCARD
	An essential field geology reference tool for the visual classification of sediments by size, shape, and concentration.
	3.6 x 2.5 x 0.04 in 9.1 x 6.4 x 0.1 cm
	0.2 oz 5.9 g



	Map Multi-Tool
	F-MAPTOOL
	An all-in-one tool that includes standard and metric rulers, Romer grids for common map scales, and a unique protractor for measuring and plotting angles.
	6.0 x 3.5 x 0.04 in 15.2 x 7.6 x 0.7 cm
	0.4 oz 10.4 g

Sighting Tools
Durable, sight-through compasses and clinometers with LED options for low-light conditions.



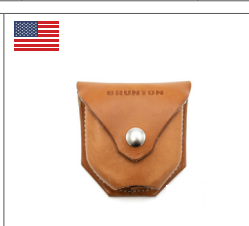
	OmniSight		OmniSlope
Product Name			
Models	Magnetic North F-OMNISIGHT-MN* - Magnetic Equator F-OMNISIGHT-ME* - Magnetic South F-OMNISIGHT-MS* <small>*all models also available as -LED</small>		F-OMNISLOPE F-OMNISLOPE-LED
Description	A sighting compass that allows accurate simultaneous forward and reciprocal bearing measurements using four different scales.		A compact and sturdy sighting inclinometer that allows for quick and accurate vertical angle measurements using three different scales.
Measurements	MILS Quadrant Reciprocal azimuth Azimuth		Slope (degrees) Forestry chain (feet) Percent grade (%)
Dimensions	3.7 x 2.5 x 0.85 in 9.4 x 6.2 x 2.2 cm		3.7 x 2.5 x 0.85 in 9.4 x 6.2 x 2.2 cm
Weight	4.8 oz 136 g		4.8 oz 136 g
Graduations	1° resolution		1° resolution
Declination Adjustment	180° range		180° range

Monoculars
Portable pocket optics for enhanced views anywhere you go.
Made in China.



Product Name	Echo Zoom Monocular	Lite Tech Monocular	Echo Pocket Monocular
Models	F-ECHOZOOM	F-LT822	F-ECHO7018 F-ECHO7018-OR F-ECHO7018-BL F-ECHO7108-GR
Description	Compact monocular with BaK-4 prism glass with 10-30x zoom ensures a sharp image.	Lightweight yet powerful, this monocular excels in close quarters within 10 feet.	High performance with bright, sharp images as close as 13 inches.
Dimensions	4 x 1.4 x 1.4 in 10.2 x 3.6 x 3.6 cm	3.5 x 1.3 x 1.3 in 8.9 x 3.1 x 3.1 cm	3.2 x 1.3 x 1.3 in 8.1 x 3.1 x 3.1 cm
Weight	2.7 oz 77 g	2.4 oz 68 g	1.6 oz 45.4 g
Power	10-30 x 21	8 x 22	7 x 18
Eye Relief/Exit Pupil	12 mm / 2.4 mm-1.8 mm	12 mm / 2.4 mm	12 mm / 2.6 mm

Professional Accessories
Adding stability, functionality, and protection for Brunton products in the field.



Product Name	Jacob's Staff & Monopod	Non-Magnetic Tripod	Ball & Socket Transit Mount	Jacob's Staff Thimble	Non-Magnetic Mapboard	Branded Geology Field Book	Leather Transit and Omni Cases	Weather-Resistant Transit Case
Models <small>P = Custom Pad Printable</small>	F-4090 (J. Staff) F-4089 (Monopod)	F-3051	F-3040	F-3060	F-MAPBOARD-GR F-MAPBOARD-OR F-MAPBOARD-BL	F-FIELDBOOK F-FIELDBOOK-6PK	F-AXISCASE (Axis) F-GEOCASE (Geo) F-TRANCASE (Stan. & ComPro) F-OMNICASE (OmniProducts)	F-WRCASE* <small>*fits Standard & ComPro only</small>
Description	Collapsible, lightweight, and strong, with standard thread for versatility. Jacob's Staff has 25cm markings and indicators for 1.5m extension.	This non-magnetic tripod ensures the ultimate level of accuracy through stability.	Affix your transit to a tripod for stable, hands-free sighting or to a monopod enhanced accuracy.	Combine this press-fit thimble with the Ball & Socket Transit Mount and convert any pole into a Jacob's staff.	Non-magnetic flat build won't interfere with compass measurements. Includes transparent pouch for storing mapping supplies.	Rite in the Rain® Geology Field Notebook (no. 540F) with Brunton logo and centimeter scale for additional functionality in the field.	All Brunton transits and Omni products come with a quality leather belt case from Gfeller Casemakers of Idaho. Brunton is now the exclusive provider of Gfeller transit cases. Each transit model has a specific case for best fit.	A lightweight plastic case that offers extra protection against rain and moisture. Built-in belt loop with optional webbing clip.
Dimensions	27.5 x 1.9 x 1.9 in 70 x 4.8 x 4.8 cm <small>(open: 62.5 in 159 cm)</small>	19.5 x 1.5 x 1.8 in 49.5 x 4.6 x 4.6 cm <small>(open: 49 in 125 cm)</small>	3.4 x 2.5 x 0.9 in 8.6 x 6.4 x 2.3 cm	1.5 x 1 in 3.8 x 2.5 cm	14 x 11 x 0.4 in 35.6 x 27.9 x 1.0 cm <small>(open: 22 in 56 cm)</small>	7.6 x 4.8 x 0.6 in 19.2 x 12.2 x 1.6 cm	4 x 4 x 2 in 10 x 10 x 5 cm 4 x 4.75 x 2 in 10 x 12 x 5 cm	3.4 x 3.3 x 2.1 in 8.6 x 8.4 x 5.3 cm
Weight	9.9 oz 281 g	25 oz 708 g	4.6 oz 132 g	0.8 oz 22.7 g	20.4 oz 577 g	9.6 oz 272 g	2.4 oz 68 g 3 oz 85 g	2.9 oz 81 g
Non-magnetic	•	•	•	•	•	•	•	•

SINCE 1894

The World's Oldest Compass Brand

Heerschaps purchase Brunton, bringing back to US ownership

Standard transit remodeled

D.W. Brunton patents the original pocket transit

Heerschaps patent the revolutionary Axis transit

Ainsworth Company established in Denver, CO

Product line expanded then contracted again

D.W. Brunton licenses patents to Ainsworth

Fenix Sweden purchases Brunton; moves compass manufacturing back to WY

D.W. Brunton patent adds peep sight, tripod mount & T-bubble level

Fiskars of Finland purchases Brunton; moves some manufacturing overseas

D.W. Brunton patent reverts to one long level & double peep sight

2255 Brunton Court building

Geo transit is developed with geologists in mind

Military transit developed and illuminated with radium

Brunton is purchased by Silva Sweden; product line is broadened

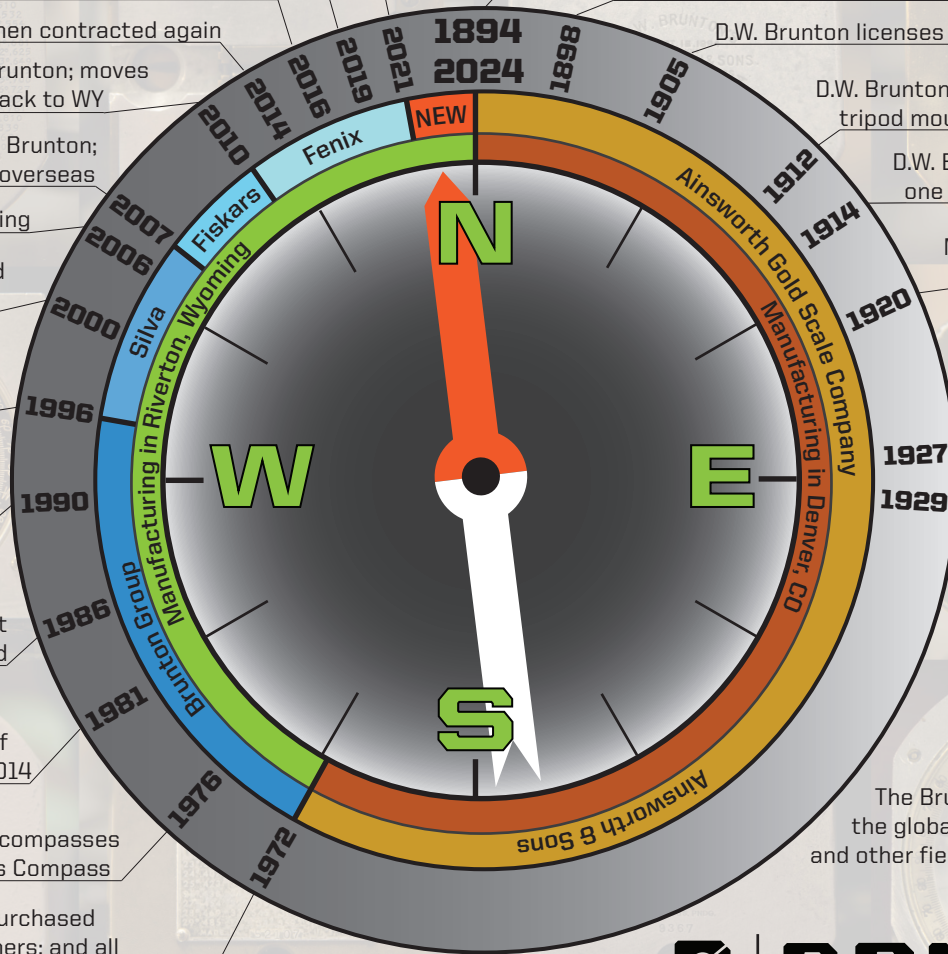
U.S. military purchases 8010 "Smoke Chaser" compass for first time

Lightweight ComPro transit and disc magnet developed

Binocular line begins; becomes a major part of Brunton identity until 2014

Liquid-filled recreational compasses developed - Sportsman's Compass

Brunton assets purchased by Wyoming partners; and all operations moved up to Riverton, WY



BRUNTON
BUILT IN WYOMING | SOLD WORLDWIDE

Brunton designs, manufactures, sells, warehouses, and ships everything from under one roof.

By making the world's most reliable compasses, transits, and exploration tools, we inspire, educate, and support professional and outdoor field pursuits.

Brunton is proud to be a certified Woman-Owned Small Business and HUB Zone Business.

