



VECTOR LATCH SYSTEM PRODUCT GUIDE





Since 1969, Allegis has supplied access hardware components to the commercial vehicle industry and specialty vehicle manufacturers. The Vector family of latching systems - an Allegis exclusive to North America - is developed for the specific requirements of this industry and other applications like power gensets. Vector handles and latches are ideal for access panels, under-body storage boxes, toolboxes, and many other applications. Pair them with Vector accessory products including rods, cables, strikers, and actuators for a complete latching solution. These products are characterized by their robust design, vibration resistance, and quality materials.



## VECTOR™ PULL HANDLE



The **Vector™ Pull Handle** is designed to operate doors equipped with Vector Rotary Latches or Vector Latch Points. The Vector Pull Handle is ordered either as an actuator for a single point latching system or as a multi version with the possibility to connect a maximum of three latching points to the handle. The connection to the latch points can be done with either Vector cables or rods. Sealed against water and dust with O-ring and molded TPE-gasket.

### MATERIALS

Handle: Zinc die cast, chrome plated or black texture powder coated

Cylinder: Zinc die cast, 304 Stainless Steel cap and dust shutter

Bracket & Bolts: Steel, Zinc plated

Tray: PA6GF30

### VECTOR™ PULL HANDLE

PART #	HANDLE MATERIAL	LOCKING CYLINDER	MOUNTING	CONNECTION
2950-501221-0511	Chrome	Keyed alike 805	Cast-in Bolts	Single Cable
2950-501221-0514	Chrome	Keyed alike 805	Cast-in Bolts	Multi-point Cable
2950-501221-0521	Chrome	Keyed alike 805	Cast-in Bolts	Single Rod
2950-501221-0524	Chrome	Keyed alike 805	Cast-in Bolts	Multi-point Rod
* 2950-501621-0511	Black Powder Coat	Keyed alike 805	Cast-in Bolts	Single Cable
* 2950-501621-0514	Black Powder Coat	Keyed alike 805	Cast-in Bolts	Multi-point Cable
* 2950-501621-0521	Black Powder Coat	Keyed alike 805	Cast-in Bolts	Single Rod
* 2950-501621-0524	Black Powder Coat	Keyed alike 805	Cast-in Bolts	Multi-point Rod

# VECTOR™ P – PADDLE LATCH

The **Vector™ P Paddle Latch** is designed for heavy duty use in tough environments, for on- and off-road applications. The latching system is available with four different latching mechanisms to meet your requirements exactly; hooked cam, 2-point release, sliding cam, and the rotary latch shown here. A valuable component of this product is the lightweight fiberglass reinforced polyamide used for the tray and handle, a more cost-effective alternative to traditional all stainless steel paddle latches.



These slam action paddle latches are designed with a unique grip handle available as a UNIVERSAL, LEFT or RIGHT handle that is assembled into your door with either a mounting bracket or with four molded-in studs providing a completely blind mount assembly.

## MATERIALS

Handle: Black Fiberglass Reinforced Polyamide (PA6 GF30)

Cylinder: Zinc die cast, 304 Stainless Steel cap and dust shutter

Mounting Bracket: Steel, Zinc plated

Manoeuver arms: Zinc die cast, Zinc plated

PUR-gasket: Polyurethane

## VECTOR™ -P ROTARY LATCHING SYSTEM

PART #	HANDLE	MOUNTING	LATCHING	LOCKING
2800-001050-0100	Universal	Stud Mounted	Integrated Rotary	Key Locking
2800-002050-0100	Universal	Mounting Bracket	Integrated Rotary	Key Locking
* 280021-009000	Universal	Striker		

\* Striker sold separately

\*\* Left and Right Handles available upon request

# VECTOR™ PUSH BUTTON HANDLE

The **Vector™ Push Button Handle** is a robust and ergonomic component designed for both glass and sheet metal doors. It performs as a door-mounted actuator in cases where the latch is located on the door frame. These handles are manufactured with durable high-quality materials that hold up to the toughest outdoor environments.



## VECTOR™ PUSH BUTTON HANDLE

P/N	DOOR TYPE	LOCKING	P/N	DOOR TYPE	LOCKING
2900-0200-00	Glass Door	Key-Locking - 455	2900-1100-00	Metal Door	Padlockable
* 2900-0100-00	Glass Door	Key-Locking - DB250	2900-1200-00	Metal Door	Non-Locking
* 2900-0220-00	Glass Door	Padlockable	2900-1220-00	Metal Door	Key-Locking - DB250

## MATERIALS

Handle & Push Button: Black Fiberglass Reinforced Polyamide (PA6 GF30)

Padlock loop: Steel, zinc plated

\* Non-Stock handles

# VECTOR™ T-HANDLES

The **Vector™** series of T-Handles and latches are available as slam-to-close and push-to-close solutions to provide security, durability, and performance. Often used in applications where high strength and positive retentions are required.

The sturdiness of the T-handle is ideal for operating in rugged environments or with gloved hands. The fiberglass reinforced polyamide handle rotates 90° right, 90° left or 180° and offers versatile mounting options.



The **Vector™ 2** T-Handle has an updated styling that sets your truck or work box apart from the competition and offers different handle finishes, chrome or black powder coat. The **Vector™ T3** offers a new look to the locking T-handle, with a version that uses an electronic interface and creates a compression that seals out water and dust. There are four blind-mounted studs to ensure waterproof assembly.

# VECTOR™ ROTARY ACCESSORIES

The latch accessories are available to accommodate slam-to-close and push-to-close solutions and are designed to operate doors equipped with **Vector™** Rotary Latches or **Vector™ Latch Points**. Vector Latch Points connect with Vector actuators by Vector rods or cables, creating an optimized latching system with components that fit together easily and securely.



## LATCH POINT MATERIALS

Cam: Fiberglass Reinforced Polyamide (PA6 GF30)

Mounting bracket: Steel, Zinc plated

Striker: Steel, Zinc plated



LOOPED STRIKER

RIVETED STRIKER

STRIKER BOLT UNC

STRIKER BOLT M8

## VECTOR ROTARY LATCH - STRIKERS

PART #	TYPE of STRIKER	MOUNTING	THREAD
522321-362000	STRIKER BOLT UNC 5/16-18	Mount with a Hex 5 mm tool	5/16-18 thread
522321-363000	STRIKER BOLT M8	Mount with a Hex 5 mm tool	M8 thread
522321-360000	LOOPED STRIKER	Adjustable assembly due to the oval mounting holes	-
522321-361000	RIVETED STRIKER	Adjustable assembly due to the oval mounting holes	-

## VECTOR™ LATCH POINT

PART #	DESCRIPTION	STIKER
5229-1110010-00	For rod	No striker
5229-1110010-01	For rod	With striker
5229-1120010-00	For wire	No striker
5229-1120010-00	For wire	With striker

## VECTOR™ ROD & CABLE

PART #	MATERIAL	MIN./MAX. LENGTH
5290-131010-0500	Steel, Zinc plated Adjustable Rod	500 mm / 990 mm
5280-111010-0900	Steel Cable	900 mm / 982 mm

# VECTOR™ T-HANDLES



## VECTOR™ T-HANDLE

PART #	MATERIAL / FINISH	LOCKING	LATCHING CAM	MOUNTING
275021-06-S	Black powder coat Zinc/Steel w/ black handle	Key-Locking	Three-point adjustable cam	Screw Mount
275021-06-S1	Black PA6 Fiberglass w/ black handle	Key-Locking	Single-point adjustable cam	Screw Mount
275021-06-6061	Black PA6 Fiberglass w/ Black handle	Key-Locking	60mm fixed cam	Screw Mount
275021-06-7061	Black PA6 Fiberglass w/ Black handle	Key-Locking	70mm fixed cam	Screw Mount
275029-58-GS	Chrome handle w/ Zinc handle/shaft	Key-Locking	Three-point adjustable cam	Blind Mount
275363-68-S1	Zinc Die-cast w/ Chrome handle	Non-Locking	Single-point adjustable cam	Blind Mount
272021-06-S1	Black PA6 Fiberglass w/ black Zinc handle	Key-Locking	Single-point adjustable cam	Screw Mount
272321-06-S	Black PA6 Fiberglass w/ w/ Chrome handle	Key-Locking	Three-point adjustable cam	Screw Mount
272321-06-S1	Black PA6 Fiberglass w/ Chrome handle	Key-Locking	Single-point adjustable cam	Screw Mount



## VECTOR™ 2 T-HANDLE

PART #	MATERIAL / FINISH	LOCKING	LATCHING CAM	MOUNTING
2751-10282-S1	Black powder coat Zinc die cast w/ Chrome handle	Key-Locking	Single-point adjustable cam	Blind Mount
2751-10282-S	Black powder coat Zinc die cast w/ Chrome handle	Key-Locking	Three-point adjustable cam	Blind Mount
2751-10682-S1	Black powder coat Zinc die cast w/ black handle	Key-Locking	Single-point adjustable cam	Blind Mount
2751-10682-S	Black powder coat Zinc die cast w/ black handle	Key-Locking	Three-point adjustable cam	Blind Mount



## VECTOR™ 3 T-HANDLE

PART #	MATERIAL / FINISH	TYPE	LOCKING	OPEN ROTATION	LATCHING CAM	DUST COVER	SIGNAL
2752-20623010-04	Black Zinc die cast w/ Chrome handle	Central locking 12 V	Keyed alike 751	180°	3 pt adjustable cam	No	No Signal
2752-20623011-04	Black Zinc die cast w/ Chrome handle	Central locking 12 V	Keyed alike 751	90° clockwise	3 pt adjustable cam	Yes	No Signal
2752-20623012-04	Black Zinc die cast w/ Chrome handle	Central locking 12 V	Keyed alike 751	90° counter clockwise	3 pt adjustable cam	Yes	No Signal
2752-20623212-04	Black Zinc die cast w/ Chrome handle	Central locking 12 V	Keyed alike 751	90° counter clockwise	3 pt adjustable cam	Yes	Open/Close
2752-20623010-06	Black Zinc die cast w/ Chrome handle	Central locking 12 V	Keyed alike 751	180°		Yes	No Signal-
2752-20623012-06	Black Zinc die cast w/ Chrome handle	Central locking 12 V	Keyed alike 751	90° counter clockwise		Yes	No Signal-
2752-10623110-01	Black Zinc die cast w/ Chrome handle	Mechanical	Keyed alike 751	180°	Fixed roller cam	Yes	-
2752-10623110-05	Black Zinc die cast w/ Chrome handle	Mechanical	Keyed alike 751	180°	Single-point adjustable cam	Yes	-
P1562-ALG-01	Vector™ Series - Central Locking System box				Compatible Lock / Unlock Controller		
P1562-ALG-02	Vector™ Series - Central Locking System box				Compatible Lock / Unlock Controller with Inputs		

# VECTOR™ ROTARY LATCH

The **Vector™ Rotary Latch** iLatching System is a complete, heavy-duty solution in which the actuator handle is accessed separately from the latching point(s). The full system consists of an actuator, latch points, wires, rods, and a striker. Often used in applications where high strength and positive retentions are required. Positive retention, when the striker is completely enclosed by the latch, provides an anti-vandal feature for increased security.



Vector rotary latches offer concealed latch points with convenient push-to-close action for lids or doors. Vector rotaries are suitable for a variety of applications that require high strength latching. They are employed as either a single latch point or in a multipoint latching system. Designed as a “plug and play” modular system, Vector rotaries connect with Vector actuators by rod or cable. This creates an optimized latching system with components that fit together easily and securely.

## KEY BENEFITS

- Available in either single stage or double stage latching
- Industry leading minimized trigger release forces that are designed for high gasket loads to ensure smooth and easy opening
- Vector strikers - striker bolt, looped striker, riveted striker - all sold separately
- A variety of trigger lever configurations available: Inline Top Pull, Inline Bottom Pull, Inline Perpendicular Pull, RA Pull or Offset Push
- Offered in both a threaded or through-hole mounting

## MATERIALS

Rotary: Steel, Zinc Plated  
Strikers: Steel, Zinc Plated



OFFSET PUSH



INLINE  
BOTTOM PULL



INLINE  
TOP PULL



RA PULL



INLINE  
PERPENDICULAR  
PULL

# ROTARY LATCHES



## VECTOR ROTARY LATCH - INLINE TOP PULL

PART # - SINGLE STAGE	PART # - DOUBLE STAGE	MOUNTING	TRIGGER	HAND
5223-11110011-00	5223-11210011-00	Through hole mounting hole	Inline Top Pull Trigger	Right
5223-11111011-00	5223-11211011-00	M6 threaded mounting hole	Inline Top Pull Trigger	Right
5223-11112011-00	5223-11212011-00	UNC 1/4-20 mounting hole	Inline Top Pull Trigger	Right
5223-11110012-00	5223-11210012-00	Through hole mounting hole	Inline Top Pull Trigger	Left
5223-11111012-00	5223-11211012-00	M6 threaded mounting hole	Inline Top Pull Trigger	Left
5223-11112012-00	5223-11212012-00	UNC 1/4-20 mounting hole	Inline Top Pull Trigger	Left

## VECTOR ROTARY LATCH - INLINE BOTTOM PULL

PART # - SINGLE STAGE	PART # - DOUBLE STAGE	MOUNTING	TRIGGER	HAND
5223-11110021-00	5223-11210021-00	Through hole mounting hole	Inline Bottom Pull Trigger	Right
5223-11111021-00	5223-11211021-00	M6 threaded mounting hole	Inline Bottom Pull Trigger	Right
5223-11112021-00	5223-11212021-00	UNC 1/4-20 mounting hole	Inline Bottom Pull Trigger	Right
5223-11110022-00	5223-11210022-00	Through hole mounting hole	Inline Bottom Pull Trigger	Left
5223-11111022-00	5223-11211022-00	M6 threaded mounting hole	Inline Bottom Pull Trigger	Left
5223-11112022-00	5223-11212022-00	UNC 1/4-20 mounting hole	Inline Bottom Pull Trigger	Left

## VECTOR ROTARY LATCH - INLINE PERPENDICULAR PULL

PART # - SINGLE STAGE	PART # - DOUBLE STAGE	MOUNTING	TRIGGER	HAND
5223-11110031-00	5223-11210031-00	Through hole mounting hole	Inline Perpendicular Pull Trigger	Right
5223-11111031-00	5223-11211031-00	M6 threaded mounting hole	Inline Perpendicular Pull Trigger	Right
5223-11112031-00	5223-11212031-00	UNC 1/4-20 mounting hole	Inline Perpendicular Pull Trigger	Right
5223-11110032-00	5223-11210032-00	Through hole mounting hole	Inline Perpendicular Pull Trigger	Left
5223-11111032-00	5223-11211032-00	M6 threaded mounting hole	Inline Perpendicular Pull Trigger	Left
5223-11112032-00	5223-11212032-00	UNC 1/4-20 mounting hole	Inline Perpendicular Pull Trigger	Left

## VECTOR ROTARY LATCH - RA PULL

PART # - SINGLE STAGE	PART # - DOUBLE STAGE	MOUNTING	TRIGGER	HAND
5223-11110041-00	5223-11210041-00	Through hole mounting hole	RA Pull Trigger	Right
5223-11111041-00	5223-11211041-00	M6 threaded mounting hole	RA Pull Trigger	Right
5223-11112041-00	5223-11212041-00	UNC 1/4-20 mounting hole	RA Pull Trigger	Right
5223-11110042-00	5223-11210042-00	Through hole mounting hole	RA Pull Trigger	Left
5223-11111042-00	5223-11211042-00	M6 threaded mounting hole	RA Pull Trigger	Left
5223-11112042-00	5223-11212042-00	UNC 1/4-20 mounting hole	RA Pull Trigger	Left

## VECTOR ROTARY LATCH - OFFSET PUSH

PART # - SINGLE STAGE	PART # - DOUBLE STAGE	MOUNTING	TRIGGER	HAND
5223-11110071-00	5223-11210071-00	Through hole mounting hole	Offset Push Trigger	Right
5223-11111071-00	5223-11211071-00	M6 threaded mounting hole	Offset Push Trigger	Right
5223-11112071-00	5223-11212071-00	UNC 1/4-20 mounting hole	Offset Push Trigger	Right
5223-11110072-00	5223-11210072-00	Through hole mounting hole	Offset Push Trigger	Left
5223-11111072-00	5223-11211072-00	M6 threaded mounting hole	Offset Push Trigger	Left
5223-11112072-00	5223-11212072-00	UNC 1/4-20 mounting hole	Offset Push Trigger	Left

## VECTOR ROTARY LATCH - STRIKERS

PART #	TYPE of STRIKER	MOUNTING	THREAD
522321-362000	STRIKER BOLT UNC 5/16-18	Mount with a Hex 5 mm tool	5/16-18 thread
522321-363000	STRIKER BOLT M8	Mount with a Hex 5 mm tool	M8 thread
522321-360000	LOOPED STRIKER	Adjustable assembly due to the oval mounting holes	-
522321-361000	RIVETED STRIKER	Adjustable assembly due to the oval mounting holes	-



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