



## 87 Series Standard & 186/187 Series Bracket System

**SUPER-DUTY**

- Up to 1,060 lbs./pair\*
- Single slot design
- Adjustable in 2" increments



### Applications

Anochrome (ANO), Galvanized Steel (GALV) and White (WH) finished products are perfect for super-duty storage and display applications for retail stores, grocery stores, warehouses, industrial, repair garages, maintenance storage, business office storage, and residential storage.

304-grade stainless steel (Stainless Steel (SS)) finished products are created for applications requiring strong corrosion and acid resistance, sanitary/easy-to-clean surfaces, or an improved aesthetic appearance: hospitals, commercial kitchens, food processing facilities, laboratories, pharmaceutical industries and outdoor applications\*. For long term use, stainless steel can be the least expensive long-term material option.

**Load Rating:** Varies per size\*\*

**Mounting:** Wall

### Material:

- 12-gauge steel construction: Anochrome and White
- 14-gauge 304-grade stainless steel construction: Stainless Steel and Galvanized Steel

### Finishes:

Anochrome (ANO), Galvanized Steel (GALV), Stainless Steel (SS), White (WH):  
Attractive, long-lasting, corrosion resistant finishes

 **Compliant:** Anochrome (ANO), White (WH)

### Features:

Reinforced brackets lock into slotted standards that mount to every type of wall. To ensure the brackets stay in place and the shelving remains stable, every bracket includes an easy-to-operate lock mechanism. Strong, durable, secure weight-bearing support. Accessories include screws, shelf rests (end, center and front), rubber shelf cushions and steel shelving.

### 87 and 87 SS Series Standards

- Dimensions: 7/8" wide x 11/16" deep x selected length
- 12-gauge steel construction: Anochrome and White
- 14-gauge 304-grade stainless steel construction: Stainless Steel and Galvanized Steel
- Made in the USA
- Available from open stock

### 186/187 and 186 SS/187 SS Series Brackets

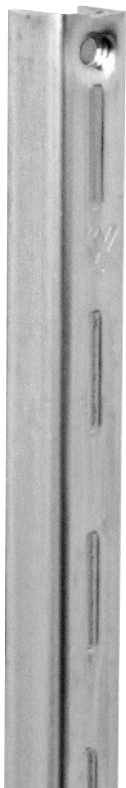
- 12-gauge steel construction: Anochrome and White
- 14-gauge 304-grade stainless steel construction: Stainless Steel and Galvanized Steel
- Vertically adjustable in 2" increments
- Unique, single molded, nylon, cam lock lever allows for easy installation while securing bracket to standard
- 187 brackets include 3 lugs for additional support
- Made in the USA
- Available from open stock

\*Not applicable for use when non-ferros materials are required.

\*\*Contact KV Customer Service for more information.



## 87 Series Standards



Anochrome  
(ANO)



Stainless Steel (SS)



White (WH)

Standard Pack (5/box. 65 lbs./100 ft. Stainless Steel standards are shipped with protective vinyl wrap.)			
Size	Anochrome (ANO)	Stainless Steel (SS)	White (WH)
24"	87 ANO 24	87 SS 24	87 WH 24
36"	87 ANO 36	87 SS 36	87 WH 36
48"	87 ANO 48	87 SS 48	87 WH 48
60"	87 ANO 60	87 SS 60	87 WH 60
72"	87 ANO 72	87 SS 72	87 WH 72
84"	87 ANO 84		87 WH 84
96"	87 ANO 96		87 WH 96

## Screws & Accessories



87-10



210



211



212



129 RUB

### Screws & Anchors

Standard Pack (100/bag. #10 x 2-3/4" screws.)

White (WH)

87-10 WH SCREW

**End Shelf Rest** (Use with 186 and 187 brackets to anchor shelf to bracket and/or join two shelves.)

Standard Pack (100/box)

Anochrome (ANO)	White (WH)
210 ANO	210 WH

**Center Shelf Rest** (Use with 186 and 187 brackets to anchor shelf to bracket and/or join two shelves.)

Standard Pack (100/box)

Anochrome (ANO)	White (WH)
211 ANO	211 WH

**Front Shelf Rest** (Use with 186 and 187 brackets to anchor shelf to bracket and/or join two shelves.)

Standard Pack (100/box)

Anochrome (ANO)	White (WH)
212 ANO	212 WH

**Rubber Shelf Cushion** (Use with plastic shelf rests.)

Standard Pack (100/box)

Rubber (RUB)
129 RUB

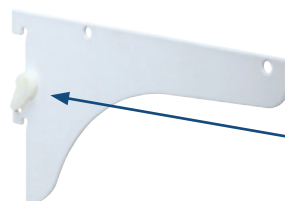
## 186 Series Brackets



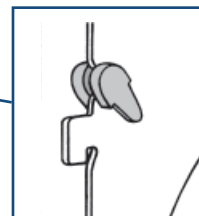
Anochrome (ANO)



Stainless Steel (SS)



White (WH)



Unique cam lock lever allows for easy installation while securing bracket to standard.

**Standard Pack** (10/pack. Stainless Steel brackets are shipped with protective vinyl wrap.)

Size	Anochrome (ANO)	Stainless Steel (SS)	White (WH)
8"	186LL ANO 8	186LL SS 8	186LL WH 8
10"	186LL ANO 10	186LL SS 10	186LL WH 10

## 187 Series Brackets



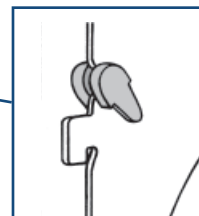
Anochrome (ANO)



Stainless Steel (SS)



White (WH)



Unique cam lock lever allows for easy installation while securing bracket to standard.

**Standard Pack** (10/pack. Stainless Steel brackets are shipped with protective vinyl wrap.)

Size	Anochrome (ANO)	Stainless Steel (SS)	White (WH)
12"	187LL ANO 12	187LL SS 12	187LL WH 12
14"	187LL ANO 14	187LL SS 14	187LL WH 14
16"	187LL ANO 16	187LL SS 16	187LL WH 16
18"	187LL ANO 18	187LL SS 18	187LL WH 18
20"	187LL ANO 20	187LL SS 20	187LL WH 20
22"	187LL ANO 22		187LL WH 22
24"	187LL ANO 24	187LL SS 24	187LL WH 24

## 1987 Series Steel Shelving



Stainless Steel (SS)



Galvanized Steel (GALV)

**Standard Pack** (Shipped with protective vinyl wrap.  
5/pack, w/screws; except 20x32: 3/pack, w/screws.)

Size	Stainless Steel (SS)*	Galvanized Steel (GALV)**
8" x 32"	1987 SS 8X32	1987 GALV 8X32
10" x 32"	1987 SS 10X32	1987 GALV 10X32
12" x 32"	1987 SS 12X32	1987 GALV 12X32
16" x 32"	1987 SS 16X32	1987 GALV 16X32
20" x 32"	1987 SS 20X32	1987 GALV 20X32

\*Designed for use with 87 SS/186 SS/187 SS shelving system.

\*\*Designed for use with 87/186/187 ANO shelving system.





# 87 Series Standard & 186/187 Series Bracket System

## 1. PRODUCT NAME

**87 Series Wall Standard. 186/187 Series Adjustable Bracket.** For heavy-duty shelving in light industrial, commercial, and retail applications. **87 SS Series Wall Standard. 186 SS/187 SS Series Adjustable Bracket. 1987 Series Steel Shelving.** For light industrial and commercial shelving applications.

## 2. MANUFACTURER

Knappe & Vogt Manufacturing Company  
2700 Oak Industrial Dr. NE, Grand Rapids, MI USA 49505-6026  
(616) 459-3311 | [www.kv.com](http://www.kv.com)

## 3. PRODUCT DESCRIPTION

**Basic Use:** 87 Series Wall Standards and 186/187 Series Adjustable Brackets are manufactured for storage and display applications in retail stores, grocery stores, light warehouses, light industrial, repair garages, maintenance storage, business office storage, residential storage, and other heavy-load situations.

87 SS Series Wall Standards and 186 SS/187 SS Series Adjustable Brackets are manufactured for storage applications where a more durable finish is desired, either for hygienic reasons, corrosion concerns or merely an improved aesthetic appearance.

The 186/187 and 186 SS/187 SS Series Adjustable Brackets includes a cam lock lever that quickly and firmly secures the bracket in place, to minimize the risk of disengagement.

1987 Series Steel Shelving is for use with 186 SS/187 SS and 186/187 ANO brackets and is manufactured for storage applications where a more durable finish is required in light warehouses, light industrial, and other light commercial applications. Stainless steel product is ideal for hospitals, laboratories, and commercial kitchens. A mounting screw pack is included.

Accessories include screws, shelf rests (end, center and front), rubber shelf cushions and steel shelving. Shelf rests are recommended for use with 186/187 Series Adjustable Brackets for anchoring the shelf to the bracket, and for joining two shelves on a single bracket.

### Composition and Materials:

87 Series Wall Standards: 12-gauge steel.

87 SS Series Wall Standards: 14-gauge 304 grade stainless steel.

186/187 Series Adjustable Brackets: 12-gauge steel. Injection-molded thermoplastic polyamide resin lock lever.

186 SS/187 SS Series Adjustable Brackets: 14-gauge 304 grade stainless steel. Injection-molded thermoplastic polyamide resin lock lever.

1987 Steel Shelving: 14-gauge 304 grade stainless steel.

### Sizes:

87 & 87 SS Standards: 7/8" wide x 11/16" deep x selected length with 2" slot adjustment.

Stock Lengths: 24", 36", 48", 60", 72", 84", 96" (some lengths are not available in some finishes.)

186/187 Brackets: 186 Brackets: 12-gauge x 4-5/16" high for shelf depths of 8" and 10". 187 Brackets: 12-gauge x 5-1/16" high for shelf depths of 12", 14", 16", and 18"; 12-gauge x 6-1/2" high for shelf depths of 20", 22", and 24".

186 SS/187 SS Brackets: 186 SS Brackets: 14-gauge x 4-5/16" high for shelf depths of 8" and 10". 187 SS Brackets: 14-gauge x 5-1/16" high for shelf depths of 12", 14", 16", and 18"; 12-gauge x 6-1/2" high for shelf depths of 20" and 24".

**Finishes:** Anochrome (electro zinc-plated and clear lacquered cold rolled steel), Galvanized Steel, Stainless Steel (304 grade w/ brushed finish), White (powder-coat paint). **RoHS Compliant:** Anochrome (electro zinc-plated and clear lacquered cold rolled steel) and White (powder-coat paint).

## 4. TECHNICAL DATA

**Applicable Standards:** Standards and brackets are tested to meet or exceed ANSI performance standards as established by BHMA in the Knappe & Vogt™ (KV) recommended application.

These load limits are intended to be used as general guidelines only, and no warranty — expressed or implied — is made by Knappe & Vogt™.

Results were obtained by laboratory testing in accordance with

ANSI/ BHMA A156.9-2003 performance standard. (Load ratings based on standards being mounted on 16" centers. Wider spacing will result in reduced load capacity.) Actual use conditions will typically result in lower load capacity than laboratory conditions.

Representative testing in a fully configured application is the only way to assure proper performance, durability, and safety.

The aforementioned shelf support load limit is intended as a guide only and not as a warranty. Actual load bearing capabilities depend upon the type of cabinet/wall material and use of appropriate shelf standard mounting fasteners, installation technique, shelf standard spacing, shelf size and construction.

### Environmental Considerations:

**Environment:** Excessive humidity, salts, or other chemical agents can corrode the finish and attack metal or plastic components.

**Fastening:** Inadequate or incorrect fasteners can result in the standard pulling loose and causing damage.

**Alignment:** Improper standard/bracket alignment can result in a shelving system that is ineffective and unsafe.

## 5. INSTALLATION

**87 and 87 SS Standards:** For maximum loading capacity, standards should be mounted directly to wall studs, which are generally found at 16" intervals. (If standards will not be mounted to studs, use appropriate wall anchors.)

Use the recommended fasteners (#10 X 2-3/4" flat head wood screws / 87-10 WH SCREW) in all holes to properly secure the standard. Prior to drilling all holes, check to be sure that the standard is vertically level.

**186/187 and 186 SS/187 SS Brackets:** Place the bracket into the standard slots. Twist the lever into the locking position. To reconfigure, unlock the lever, then remove the bracket from the standard.

**1987 Shelving:** Standards must be mounted 32" on center with fasteners included (#10 - 24 x 3/8" pan head screws & #10 - 24 lock nuts). Brackets must be installed on the outside of metal shelf. (See illustration on previous page.)

## 6. AVAILABILITY AND COST

**Availability:** Knappe & Vogt™ (KV) products are available from stocking distributors and through KV™ Representatives worldwide.

**Cost:** Current pricing is available from area KV™ Representatives. Please call for the nearest representative: (800) 253-1561.

## 7. WARRANTY

**Limited Lifetime Warranty:** Knappe & Vogt offers its standard Limited Lifetime Warranty to the initial purchaser of commercial products. This warranty covers defects in materials and workmanship which occur during normal use, and the remedy is limited to repair or replacement of defective products, at KV's option. Certain types of defects and damage are excluded from warranty coverage, costs and expenses are not covered, and additional restrictions apply. A copy of the Limited Lifetime Warranty, with all warranty details, limitations and disclaimers, is available on the Customer Care Connection location at [www.kv.com](http://www.kv.com) or from KV Customer Service, 2700 Oak Industrial Drive, Grand Rapids, MI 49505, (800) 253-1561.

## 8. MAINTENANCE

87 and 87 SS Series Wall Standards, 186/187 and 186 SS/187 SS Series Adjustable Brackets, and 1987 Steel Shelving require no maintenance. Inspect for proper fit periodically and adjust when necessary. Replace as required or recommended by application.

## 9. TECHNICAL SERVICES

Knappe & Vogt™ and area representatives can assist with any application. For further information, or for the name of the representative nearest you, please call Knappe & Vogt™ Customer Service: (800) 253-1561 or visit our website at: [www.kv.com](http://www.kv.com).

## 10. FILING SYSTEMS

Additional product information, data sheets, application sheets, and a full catalog are available upon request from Knappe & Vogt™.

**BHMA** *Knappe & Vogt shelving products follow the ANSI testing standards established by BHMA.*

*Knappe & Vogt reserves the right to change product specifications at any time without notice and without incurring responsibility for existing units. This information conforms to editorial style prescribed by The Construction Specifications Institute.*