

**Grant® Folding and Sliding Door Hardware** 



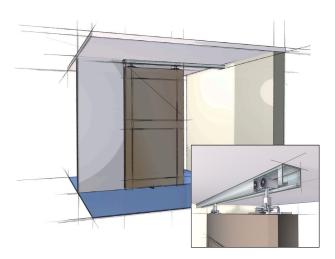
Grant® Sliding and Folding Door Hardware is manufactured to the highest standards, using high quality material under rigid quality control conditions.

Grant® offers a very broad range when choosing folding and sliding door configurations. From 50 lbs to 1000 lbs, Hettich provides sliding door hardware perfectly suited to meet the needs of both residential and commercial applications.

A large range is available in bi-folding door hardware from 25 lbs to the smooth movement of precision ball bearing wheels found in the 175 lbs rated 1260 series.

Get the look you want and the quality you expect with Grant® Folding and Sliding Door Hardware.

- **▶** Technical Information
- Legal Notice



#### **Application**

Unless otherwise specified in this catalog, Grant Folding and Sliding Door Hardware is suitable for use in both residential and commercial climate controlled environments.

#### System capacities

All systems conform to ANSI/BHMA as specified Panel thickness and loading capacities are stated per each system as a maximum weight per panel and where required a minimum or maximum panel thickness.

#### General Technical Conditions It is generally understood that:

It is not allowed to mix other suppliers hardware with Hettich products.

Each product to be used in accordance with the specified application and installed in accordance with the instructions supplied.

With systems which are suspended without a permanent frame which encloses the open ends of the running profile, an endstop, supplied by Hettich, must be used in accordance with the instructions.

Screw fixing points and loading information specified in this catalog assume proper attachment of hardware to materials providing a sufficient axial pullout force of ≥ 2,000N in accordance with ASTM D1761-12.

Screws are provided in all hardware kits, installation of screws other than those provided by Hettich should be in accordance with specified sizes and conforming to ANSI/ASME B18.6.4.

#### General Terms of sale and delivery

All products and services will be provided exclusively on the basis of our General Terms of Sale and Delivery published on our website at www.hettich.com.

#### **Legal Notice**

Hettich America L.P. 4295 Hamilton Mill Road Suite 400 Buford, GA 30518

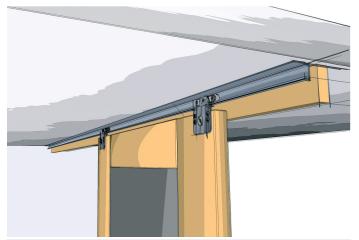
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Subject to technical alterations.

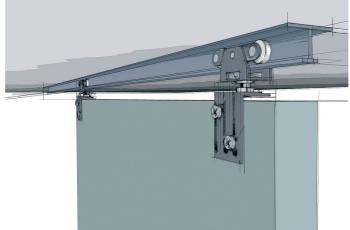
Errors and omissions excepted.

Subject to color variations.

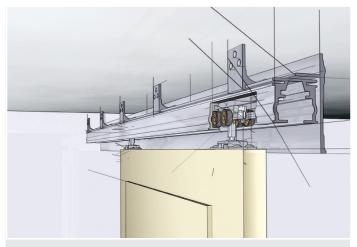
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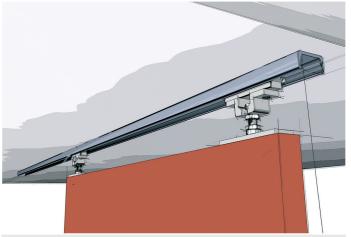
| Single Door Sets    | Load Capacity  | Pages         |
|---------------------|----------------|---------------|
| Top Line Grant 6023 | 50 lbs [23 kg] | 2.2 - 2.3     |
| Top Line Grant 6053 | 75 lbs [34 kg] | 2.4 - 2.5     |
| Grant 75E           | 75 lbs [34 kg] | 2.5.1 - 2.5.2 |
| Grant 150E          | 150lbs [68 kg] | 2.5.3 - 2.5.4 |



| Single Door Sets      | Load Capacity    | Pages       |
|-----------------------|------------------|-------------|
| Top Line Grant 71-034 | 150 lbs [68 kg]  | 2.6 - 2.7   |
| Top Line Grant 71-111 | 150 lbs [68 kg]  | 2.8 - 2.9   |
| Top Line Grant 71-138 | 150 lbs [68 kg]  | 2.10 - 2.11 |
| Top Line Grant 71-222 | 150 lbs [68 kg]  | 2.12 - 2.13 |
| Top Line Grant 1210   | 225 lbs [102 kg] | 2.14 - 2.15 |
| Top Line Grant 1230   | 325 lbs [147 kg] | 2.16 - 2.17 |

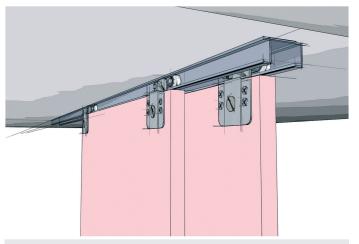


| Box Track Sets     | Load Capacity                         | Pages       |
|--------------------|---------------------------------------|-------------|
| Top Line Grant 150 | 150 lbs [68 kg]                       | 3.2 - 3.5   |
| Top Line Grant 325 | 325 lbs [147 kg]                      | 3.6 - 3.9   |
| Top Line Grant 500 | 300 lbs - 500 lbs<br>[136 kg -227 kg] | 3.10 - 3.11 |



| Single Hanger Sets  | Load Capacity     | Pages     |
|---------------------|-------------------|-----------|
| Top Line Grant 5150 | 150 lbs [68 kg]   | 4.2 - 4.3 |
| Top Line Grant 5300 | 1000 lbs [454 kg] | 4.4 - 4.5 |

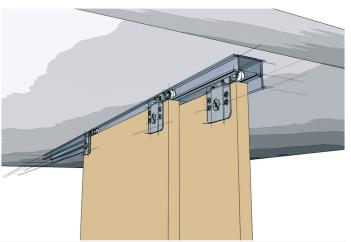
1.2 www.hettich.com

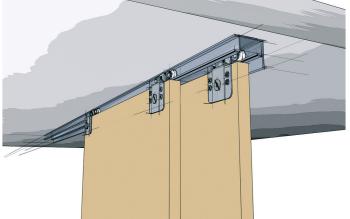




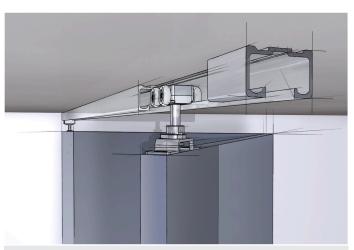
| By-passing Door Sets | Load Capacity   | Pages         |
|----------------------|-----------------|---------------|
| Top Line Grant 6034  | 50 lbs [23 kg]  | 5.2 - 5.3     |
| Top Line Grant 6064  | 75 lbs [34 kg]  | 5.4 - 5.5     |
| Grant 75E Bypass     | 75 lbs [34 kg]  | 5.5.1 - 5.5.2 |
| Grant 150E Bypass    | 150 lbs [68 kg] | 5.5.3 - 5.5.4 |

| By-Passing Door Sets  | Load Capacity   | Pages       |
|-----------------------|-----------------|-------------|
| Top Line Grant 72-034 | 150 lbs [68 kg] | 5.6 - 5.7   |
| Top Line Grant 72-118 | 150 lbs [68 kg] | 5.8 - 5.9   |
| Top Line Grant 72-138 | 150 lbs [68 kg] | 5.10 - 5.11 |
| Top Line Grant 72-134 | 150 lbs [68 kg] | 5.12 - 5.13 |
| Top Line Grant 72-222 | 150 lbs [68 kg] | 5.14 - 5.15 |
| Top Line Grant 72-223 | 150 lbs [68 kg] | 5.16 - 5.17 |





| By-Passing Fascia Sets  | Load Capacity   | Pages  |
|---|---|--|
| Top Line Grant 6065 Top Line Grant 73–034 Top Line Grant 73–138 Top Line Grant 73–134 | 75 lbs [34 kg]<br>150 lbs [68 kg]<br>150 lbs [68 kg]<br>150 lbs [68 kg] | 6.2 - 6.3<br>6.4 - 6.5<br>6.6 - 6.7<br>6.8 - 6.9 |
|   |   |  |



| Folding Door Sets    | Load Capacity   | Pages         |
|----------------------|-----------------|---------------|
| Grant Bi-fold 25     | 25 lbs [11 kg]  | 7.3 - 7.5     |
| Grant Bi-fold 50     | 50 lbs [23 kg]  | 7.6 - 7.9     |
| Grant Bi-fold 150    | 150 lbs [68 kg] | 7.9.1 - 7.9.4 |
| Wing Line Grant 1260 | 175 lbs [80 kg] | 7.10 - 7.12   |
|                      |                 |               |

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# **Grant® Sliding Door Hardware** Selection Chart - Sliding Doors

| Sliding<br>Series            | Load capacity<br>per door                       | Type of installation                    | Door thickness accommodated              | Type of adjustment | Door<br>mounting | Track<br>shape |
|------------------------------|---|---|--|--------------------|------------------|----------------|
| 6000                         | up to 75 lbs/door<br>(34 kg/door)               | single<br>bi-parting*<br>by-passing     | 3/4" min.<br>(19 mm)<br>depending on set | vertical           | side             |                |
| 75E                          | up to 75 lbs/door<br>(34 kg/door)               | single<br>bi-parting*<br>by-passing**   | 3/4" min.<br>(19 mm)                     | vertical           | top              |                |
| 150E                         | up to 150 lbs/door<br>(68 kg/door)              | single<br>bi-parting*<br>by-passing**   | 1" min.<br>(25.4 mm)                     | vertical           | top              |                |
| 7000                         | up to 150 lbs/door<br>(68 kg/door)              | single<br>bi-parting*<br>by-passing     | 3/4" min.<br>(19 mm)<br>depending on set | vertical           | top or side      | T              |
| 150                          | up to 150 lbs/door<br>(68 kg/door)              | single<br>bi-parting*<br>by-passing**   | 1" min.<br>(25.4 mm)                     | vertical           | top              | []             |
| 1210                         | up to 225 lbs/door<br>(102 kg/door)             | single<br>bi-parting*<br>by-passing**   | 1" min.<br>(25.4 mm)                     | vertical           | top              | T              |
| 1230                         | up to 325 lbs/door<br>(147 kg/door)             | single<br>bi-parting*<br>by-passing**   | 1" min.<br>(25.4 mm)                     | vertical           | top              | T              |
| 325                          | up to 325 lbs/door<br>(147 kg/door)             | single<br>bi-parting*<br>by-passing**   | 1" min.<br>(25.4 mm)                     | vertical           | top              |                |
| 500                          | up to 300 – 500 lbs/door<br>(136 – 227 kg/door) | single<br>bi-parting*<br>by-passing**   | 1 3/8" min.<br>(34.9 mm)                 | vertical           | top              |                |
| 5000<br>made to<br>order     | up to 150 – 1000 lbs/door<br>(68 – 454 kg door) | single<br>bi-parting***<br>by-passing** | 1" min.<br>(25.4 mm)                     | vertical           | top              | (F 7)          |
| Sheaves/<br>sheave<br>tracks | up to 200 lbs/door<br>(91 kg door)              | single<br>bi-parting*<br>by-passing**   | 3/4" min.<br>(19 mm)<br>depending on set |                    | bottom           | <b>~~</b>      |

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bi-parting installations use additional set of hardware.
 by-passing installations possible by mounting two parallel tracks.
 5000 bi-parting installations possible by mounting two sets end to end.

# **Grant® Sliding Door Hardware Selection Chart - Folding Doors**

| Folding<br>Series | Load capacity<br>per panel                                | Type of installation  | Door thickness accommodated                 | Type of adjustment | Multi-fold                 | Track<br>shape |
|-------------------|---|-----------------------|---|--------------------|----------------------------|----------------|
| BF25              | up to 25 lbs/panel<br>(11 kg panel)                       | bi-fold               | 3/4" min. – 1 3/4" max<br>(19 mm – 44.4 mm) | vertical           | bi-fold only               |                |
| BF50              | up to 50 lbs (23 kg)/panel<br>up to 30 lbs (14 kg)/panel  | bi-fold<br>multi-fold | 3/4" min 1 3/4" max<br>(19 mm - 44.4 mm)    | vertical           | up to six<br>doors one way |                |
| BF150             | up to 150 lbs (68 kg)/panel<br>up to 75 lbs (34 kg)/panel |                       | 3/4" min 1 3/4" max<br>(19 mm - 44.4 mm)    | vertical           | up to six<br>doors one way |                |
| 1260              | up to 175 lbs/door<br>(80 kg door)                        | bi-fold               | 1" min.<br>(25.4 mm)                        | vertical           | bi-fold                    | T              |

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## **Program Overview**

# Grant® Sliding and Folding Door Hardware



### NEW E-Series Folding & Sliding Door Sets

BF25, BF50, BF150 Folding Series Load capacity up to 150 lbs [68 kg]/door Pages 1.9 - 1.19

**75E & 150E Single & By-pass Series** Load capacity up to 150 lbs [68 kg]/door Pages 1.20 - 1.27

### Sliding Door Hardware Single & Bi-parting Door Sets

Top Line Grant 6023

Load capacity up to 50 lbs [23 kg]/door Pages 2.2 - 2.3

Top Line Grant 6053

Load capacity up to 75 lbs [34 kg]/door Pages 2.4 - 2.5

Grant 75E

Load capacity up to 75 lbs [34 kg]/door Pages 2.5.1 - 2.5.2

Grant 150E

Load capacity up to 150 lbs [68 kg]/door Pages 2.5.3 - 2.5.4

Top Line Grant 71-034

Load capacity up to 150 lbs [68 kg]/door Pages 2.6 - 2.7

Top Line Grant 71-111

Load capacity up to 150 lbs [68 kg]/door Pages 2.8 - 2.9

Top Line Grant 71-138

Load capacity up to 150 lbs [68 kg]/door Pages 2.10 - 2.11

Top Line Grant 71-222

Load capacity up to 150 lbs [68 kg]/door Pages 2.12 - 2.13

Top Line Grant 1210

Load capacity up to 225 lbs [102 kg]/door Pages 2.14 - 2.15

Top Line Grant 1230

Load capacity up to 325 lbs [147 kg]/door Pages 2.16 - 2.17

**Box Track Sets** 

Top Line Grant 150

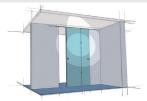
Load capacity up to 150 lbs [68 kg]/door Pages 3.2 - 3.5

Top Line Grant 325

Load capacity up to 325 lbs [147 kg]/door Pages 3.6 - 3.9

Top Line Grant 500

Load capacity 300 lbs to 500 lbs/door [136 kg to 227 kg/door] Pages 3.10 - 3.11



### Sliding Door Hardware Single Door Hanger Systems

Top Line Grant 5150

Load capacity up to 150 lbs [68 kg]/door Pages 4.2 - 4.3

Top Line Grant 5300

Load capacity up to 1000 lbs [454 kg]/door Pages 4.4 - 4.5

#### By-passing Door Sets

Top Line Grant 6034

Load capacity up to 50 lbs [23 kg]/door Pages 5.2 - 5.3

Top Line Grant 6064

Load capacity up to 75 lbs [34 kg]/door Pages 5.4 - 5.5

**Grant 75E Bypass** 

Load capacity up to 75 lbs [34 kg]/door Pages 5.5.1 - 5.5.2

Grant 150E Bypass

Load capacity up to 150 lbs [68 kg]/door Pages 5.5.3 - 5.5.4

Top Line Grant 72-034

Load capacity up to 150 lbs [68 kg]/door Pages 5.6 - 5.7

Top Line Grant 72-118

Load capacity up to 150 lbs [68 kg]/door Pages 5.8 - 5.9

Top Line Grant 72-138

Load capacity up to 150 lbs [68 kg]/door Pages 5.10 - 5.11

Top Line Grant 72-134

Load capacity up to 150 lbs [68 kg]/door Pages 5.12 - 5.13

Top Line Grant 72-222

Load capacity up to 150 lbs [68 kg]/door Pages 5.14 - 5.15

Top Line Grant 72-223

Load capacity up to 150 lbs [68 kg]/door Pages 5.16 - 5.17



# Sliding & Folding Door Hardware By-passing Door Sets w/ Fascia

Top Line Grant 6065

Load capacity up to 75 lbs [34 kg]/door Pages 6.2 - 6.3

Top Line Grant 73-034

Load capacity up to 150 lbs [68 kg]/door Pages 6.4 - 6.5

Top Line Grant 73-138

Load capacity up to 150 lbs [68 kg]/door Pages 6.6 - 6.7

Top Line Grant 73-134

Load capacity up to 150 lbs [68 kg]/door Pages 6.8 - 6.9

#### Folding Doors Application

Bi-fold 25 (Bi-fold)

Load capacity up to 25 lbs [11 kg]/panel Pages 7.3 - 7.5

Bi-fold 50 (Bi-fold & Multi-fold)

Bi-fold load up to 50 lbs [23 kg]/panel Multi-fold load up to 30 lbs [14 kg]/panel Pages 7.6 - 7.9

Bi-fold 150 (Bi-fold & Multi-fold)

Bi-fold load up to 150 lbs [68 kg]/panel Multi-fold load up to 75 lbs [34 kg]/panel Pages 7.9.1 - 7.9.4

Wing Line Grant 1260

Load capacity up to 175 lbs [80 kg]/door Pages 7.10 - 7.12

#### Sheaves & Tracks

Sheave No. 20

Load capacity up to 150 lbs [23 kg]/door Page 8.1

Sheave No. 18

Load capacity up to 125 lbs [57 kg]/door Page 8.2

Sheave No. 14

Load capacity up to 200 lbs [91 kg]/door Page 8.2

Floor Guides

Single, Pocket, Bi-Parting, By-Pass Doors Page 9.1 - 9.2

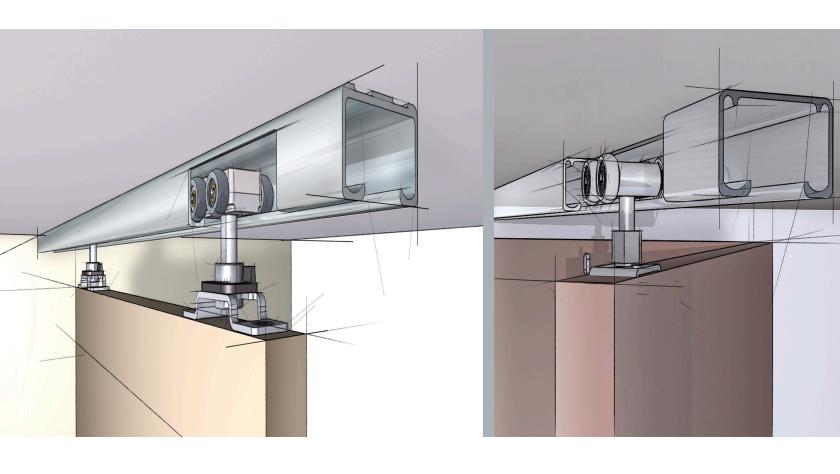
Parts & Accessories

Pages 10.1 - 10.16

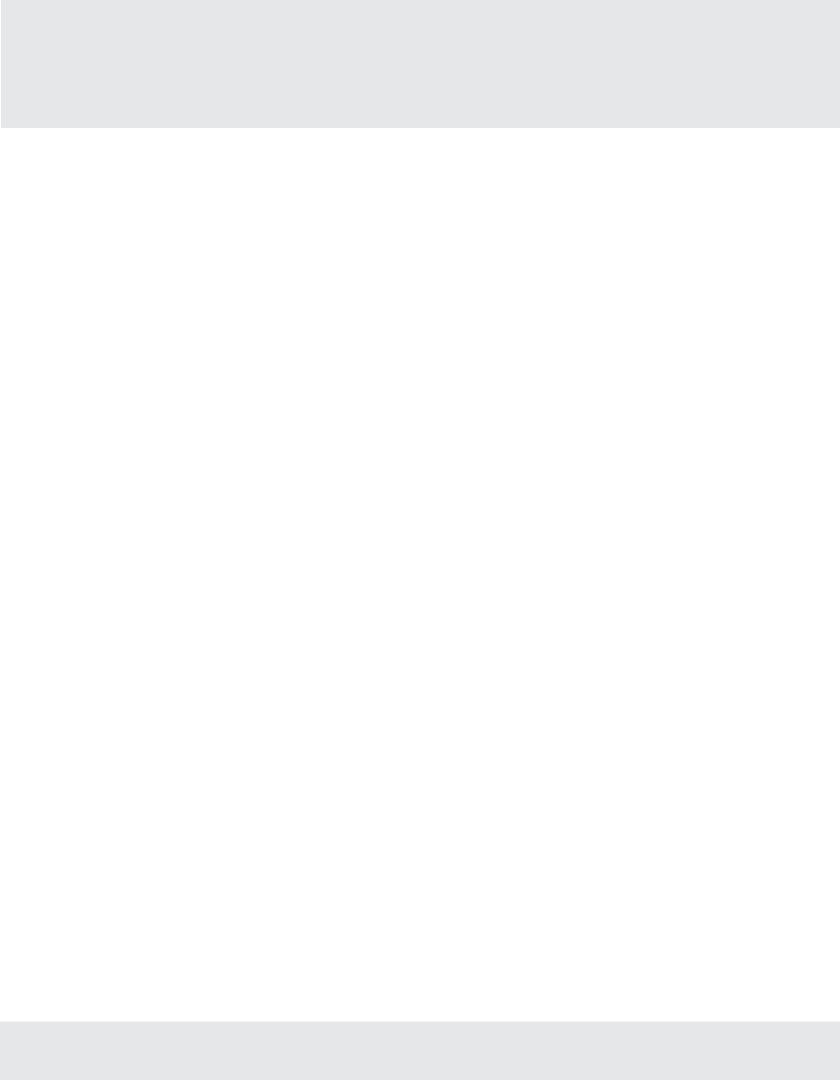
Index by Part No.

Pages 11.1 - 11.3

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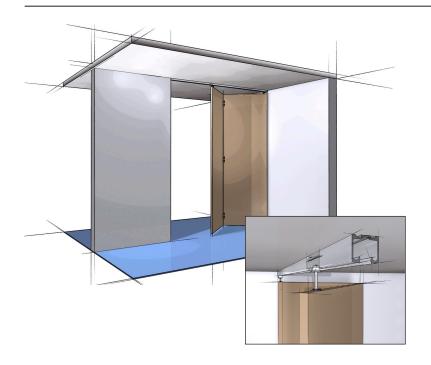
Grant® E-series for Single, By-pass and Folding Doors



# Grant Bi-fold 25

up to 25 lbs/panel (11 kg/panel)

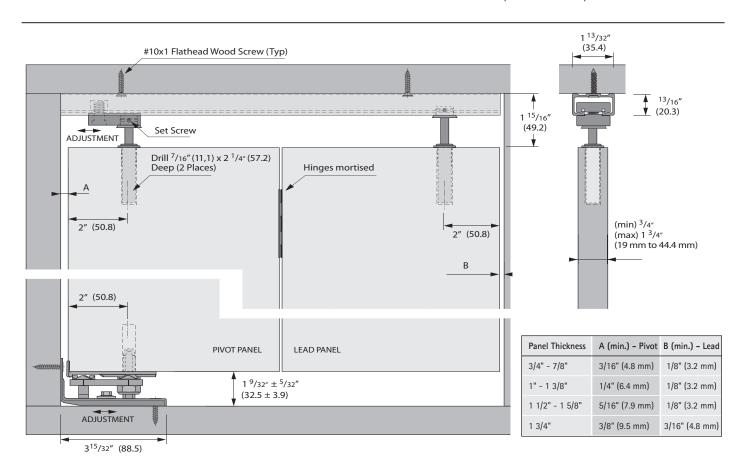
for door thickness 3/4" (19 mm) up to 1 3/4" (44.4 mm), top mount, adjustable



#### Grant Bi-fold 25

A light duty top hung folding door system for residential and commercial applications. The Grant Bi-fold 25 system supports light weight bi-folding door installations. Ideal for closet doors.

- For door panels <sup>3</sup>/<sub>4</sub>" (19 mm) up to 1 <sup>3</sup>/<sub>4</sub>" (44.4 mm)
- For doors weighing up to 25 lbs (11 kg) per panel
- Doors fold flat for better access
- Unique stay-open stay-close design keeps door in place
- Simple and quick to install
- Floor cam functions as marking template ensuring top and bottom holes are aligned, no measuring needed
- Spring plunger glides smoothly and easily while staying securely in place
- Pre-drilled aluminum track up to 16' (4800 mm)
- No bottom guide assistance required
- Meets and/or exceeds ANSI/BHMA standards



Technical specifications are subject to change without notice

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Mounting: Top

Adjustment: 5/16" (7.9 mm) vertical

3/4" (19 mm) to 13/4" (44.4 mm) Door thickness:

Headroom: 1 <sup>25</sup>/<sub>32</sub>" (45.3 mm) min., 2 <sup>3</sup>/<sub>32</sub>" (53.1 mm) max.

Bi-fold Application:

#### Grant Bi-fold 25 door hardware is available in three purchasing options

-jamb pivot

o-carrier

#### Option I

Complete package: includes track, hardware set, and all screws

#### Grant Bi-fold 25 2-dr 1-way set Hardware and track

Packing includes:

1 track 50E

1 hardware set Bi-fold 25



| Length       | Order no. | PU     |
|--------------|-----------|--------|
| 3' (900 mm)  | 113 522 9 | 5 sets |
| 4' (1200 mm) | 113 523 0 | 5 sets |

For longer track application order hardware set and track separately

#### Grant Bi-fold 25 4-dr 2-each way set Hardware and track

Packing includes:

1 track 50E

2 hardware set Bi-fold 25



| Length                       | Order no.              | PU               |
|------------------------------|------------------------|------------------|
| 4' (1200 mm)                 | 113 523 1              | 5 sets           |
| 5' (1500 mm)                 | 113 523 2              | 5 sets           |
| 6' (1800 mm)                 | 113 523 3              | 5 sets           |
| 8' (2400 mm)                 | 113 523 4              | 5 sets           |
| 5' (1500 mm)<br>6' (1800 mm) | 113 523 2<br>113 523 3 | 5 sets<br>5 sets |

For longer track application order hardware set and track separately

#### Option II

Track only

#### Single track 50E

Aluminum extruded, pre-drilled holes



| Length        | Order no. | PU   |
|---------------|-----------|------|
| 3' (900 mm)   | 113 440 6 | each |
| 4' (1200 mm)  | 113 439 9 | each |
| 5' (1500 mm)  | 113 440 0 | each |
| 6' (1800 mm)  | 113 440 1 | each |
| 8' (2400 mm)  | 113 440 2 | each |
| 10' (3000 mm) | 113 440 3 | each |
| 12' (3600 mm) | 113 440 4 | each |
| 16' (4800 mm) | 113 440 5 | each |

Screws not included - recommend #10 Flat Head

#### Option III

Hardware set only (without track)

#### Grant Bi-fold 25 Hardware set 2-dr 1-way for two door installation, one way

Hardware set includes:

- 1 pivot plate assembly
- 2 plunger spring assembly
- 1 floor cam assembly
- 1 bi-fold hinge set 2646 necessary screws installation instructions





| Article                 | Order no. | PU      |
|-------------------------|-----------|---------|
| Hardware set 2-dr 1-way | 113 434 6 | 10 sets |

Grant Bi-fold 25 Hardware set 4-dr 2-each way for four door installation, two door each way

Hardware set includes:

- 2 pivot plate assembly
- 4 plunger spring assembly
- 2 floor cam assembly
- 2 bi-fold hinge sets 2646 necessary screws installation instructions









| Article                      | Order no. | PU      |
|------------------------------|-----------|---------|
| Hardware set 4-dr 2-each way | 113 524 1 | 10 sets |

1.10 www.hettich.com

# Grant Bi-fold 25

up to 25 lbs/panel (11 kg/panel)

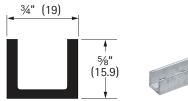
for door thickness 3/4" (19 mm) to 1 3/4" (44.4 mm), top mount, adjustable

#### Accessory parts (not included in set)

**NOTE:** The Bi-fold 25 folding door system does not require the assistance of a bottom guide. If a bottom guide is desired the Guide channel 1222 and 1221 adjustable floor guide can be used. Installation measurements must be checked as some extreme adjustments may not work.

#### Guide channel 1222

Aluminum extruded





| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 142   | 5  |
| 5' (1500 mm)  | 050 143   | 5  |
| 6' (1800 mm)  | 050 144   | 5  |
| 8' (2400 mm)  | 050 145   | 5  |
| 10' (3000 mm) | 050 146   | 5  |
| 12' (3600 mm) | 050 147   | 5  |
| 16' (4800 mm) | 050 148   | 5  |

Screws not included - recommend #6 Flat Head

#### Guide roller 1221

Steel, adjustable

Screws included



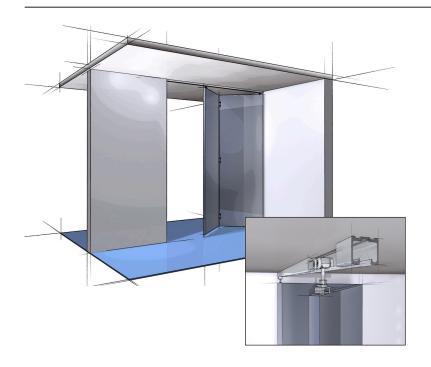
| Article           | Order no. | PU |
|-------------------|-----------|----|
| Guide roller 1221 | 050 141   | 20 |

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# Light Duty Folding Door Set

# Grant Bi-fold 50

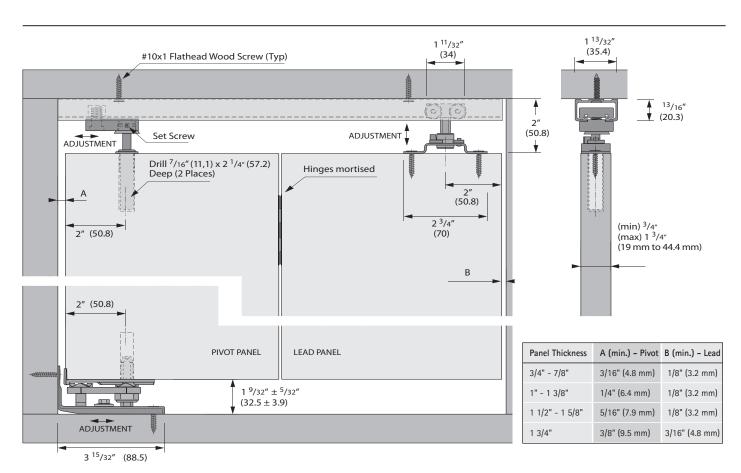
bi-fold up to 50 lbs/panel (23 kg/panel), multi-fold up to 30 lbs/panel (14 kg/panel) for door thickness  $\frac{3}{4}$ " (19 mm) to 1  $\frac{3}{4}$ " (44.4 mm), top mount, adjustable



#### Grant Bi-fold 50

A light duty top hung folding door system for residential and commercial applications. The Grant Bi-fold 50 system supports bi-folding and multi-folding door installations.

- For door panels 3/4" (19 mm) up to 1 3/4" (44.4 mm)
- For bi-fold doors weighing up to 50 lbs (23 kg) per panel, and multi-fold doors weighing up to 30 lbs (14 kg) per panel for up to 6 panels one way
- Doors fold flat for better access
- Unique stay-open stay-close design keeps door in place
- Ball bearing carrier with 4-wheels for smooth and long lasting operation
- Simple and easy to install, floor cam functions as marking template ensuring top and bottom holes are aligned, no measuring needed
- Pre-drilled aluminum track up to 16' (4800 mm)
- No bottom guide assistance required
- Meets and/or exceeds ANSI/BHMA standards



Technical specifications are subject to change without notice

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Mounting: Top

Adjustment: 5/16" (7.9 mm) vertical

3/4" (19 mm) to 1 3/4" (44.4 mm) Door thickness:

1 23/32" (46.8 mm) min., 2 5/32" (54.8 mm) max. Headroom: Bi-fold and Multi-fold up to 6 panels one way Application:

#### Grant Bi-fold 50 door hardware is available in three purchasing options

-jamb pivot

o -carrier

#### Option I

Complete package: includes track, hardware set, and all screws

#### Grant Bi-fold 50 2-dr 1-way set Hardware and track

Packing includes:

1 track 50E

1 hardware set Bi-fold 50



| Length       | Order no. | PU     |
|--------------|-----------|--------|
| 3' (900 mm)  | 113 523 5 | 5 sets |
| 4' (1200 mm) | 113 523 6 | 5 sets |

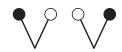
For longer track application order hardware set and track separately

#### Grant Bi-fold 50 4-dr 2-each way set Hardware and track

Packing includes:

1 track 50E

2 hardware set Bi-fold 50



| Length Order no. |           | PU     |
|------------------|-----------|--------|
| 4' (1200 mm)     | 113 523 7 | 5 sets |
| 5' (1500 mm)     | 113 523 8 | 5 sets |
| 6' (1800 mm)     | 113 523 9 | 5 sets |
| 8' (2400 mm)     | 113 524 0 | 5 sets |

For longer track application order hardware set and track separately

## Option II

Track only

### Single track 50E

Aluminum extruded, pre-drilled holes



| Order no. | PU  |
|-----------|---|
| 113 440 6 | each  |
| 113 439 9 | each  |
| 113 440 0 | each  |
| 113 440 1 | each  |
| 113 440 2 | each  |
| 113 440 3 | each  |
| 113 440 4 | each  |
| 113 440 5 | each  |
|           | 113 440 6<br>113 439 9<br>113 440 0<br>113 440 1<br>113 440 2<br>113 440 3<br>113 440 4 |

Screws not included - recommend #10 Flat Head

#### Option III

Hardware set only (without track)

#### Grant Bi-fold 50 Hardware set 2-dr 1-way for two door installation, one way

Hardware set includes:

- 1 pivot plate assembly
- 1 carrier 50E with quick release top plate
- 1 plunger spring assembly
- 1 floor cam assembly
- 1 bi-fold hinge set 2646 necessary screws installation instructions





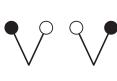


| Article                 | Order no. | PU      |
|-------------------------|-----------|---------|
| Hardware set 2-dr 1-way | 113 434 7 | 10 sets |

### Grant Bi-fold 50 Hardware set 4-dr 2-each way for four door installation, two door each way

Hardware set includes:

- 2 pivot plate assembly
- 2 carrier 50E with quick release top plate
- 2 plunger spring assembly
- 2 floor cam assembly
- 2 bi-fold hinge sets 2646 necessary screws installation instructions







| Article                      | Order no. | PU      |
|------------------------------|-----------|---------|
| Hardware set 4-dr 2-each way | 113 524 3 | 10 sets |

1.13 www.grantdoorhardware.com

# Light Duty Folding Door Set

# Grant Bi-fold 50

bi-fold up to 50 lbs/panel (23 kg/panel), multi-fold up to 30 lbs/panel (14 kg/panel) for door thickness  $\frac{3}{4}$ " (19 mm) to 1  $\frac{3}{4}$ " (44.4 mm), top mount, adjustable

#### Grant Bi-fold 50 Multi-fold doors:

Up to 6 panels one way

Bi-fold applications up to 50 lbs/panel (23 kg/panel)

Multi-fold applications up to 30 lbs/panel (14 kg)

For each additional set of panels over two add one (1) - Grant carrier 50 w/top plate and one (1) - Bi-fold hinge set

| No. of doors | Layout | Load Capacity per panel | Hardware sets less track   | Item numbers to order                           |
|--------------|--------|-------------------------|--|---|
| 2            |        | 50 lbs (23 kg)          | 1 - set BF50 2-Dr 1-way  | 1 - 113 434 7                                   |
| 4            |        | 50 lbs (23 kg)          | 1 - set BF50 4-Dr 2-way  | 1 - 113 524 3                                   |
| 4            |        | 30 lbs (14 kg)          | 1 – set BF50 2-Dr 1-way<br>1 – carrier 50E w/ top plate<br>1 – bi-fold hinge set | 1 - 113 434 7<br>1 - 113 432 2<br>1 - 113 440 7 |
| 6            |        | 30 lbs (14 kg)          | 1 - set BF50 2-Dr 1-way<br>2 - carrier 50E w/ top plate<br>2 - bi-fold hinge set | 1 - 113 434 7<br>2 - 113 432 2<br>2 - 113 440 7 |
| 8            |        | 30 lbs (14 kg)          | 1 - set BF50 4-Dr 2-way<br>2 - carrier 50E w/ top plate<br>2 - bi-fold hinge set | 1 - 113 524 3<br>2 - 113 432 2<br>2 - 113 440 7 |
| 8            |        | 30 lbs (14 kg)          | 1 - set BF50 4-Dr 2-way<br>2 - carrier 50E w/ top plate<br>2 - bi-fold hinge set | 1 - 113 524 3<br>2 - 113 432 2<br>2 - 113 440 7 |

#### Grant Carrier 50E with top plate

four ball bearing wheels quick release top plate screws included



| Article                 | Order no. | PU |
|-------------------------|-----------|----|
| Carrier 50E w/top plate | 113 432 2 | 10 |

#### Bi-fold Hinge Set

Contains: Three (3) 2646 Hinges Screws included Steel, zinc plated, mortised



| Article           | Order no. | PU |
|-------------------|-----------|----|
| Bi-fold Hinge Set | 113 440 7 | 10 |

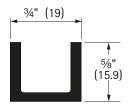
1.14 www.hettich.com

#### Accessory parts (not included in set)

**NOTE:** The Bi-fold 50 folding door system does not require the assistance of a bottom guide. If a bottom guide is desired the Guide channel 1222 and 1221 adjustable floor guide can be used. Installation measurements must be checked as some extreme adjustments may not work.

#### Guide channel 1222

Aluminum extruded





| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 142   | 5  |
| 5' (1500 mm)  | 050 143   | 5  |
| 6' (1800 mm)  | 050 144   | 5  |
| 8' (2400 mm)  | 050 145   | 5  |
| 10' (3000 mm) | 050 146   | 5  |
| 12' (3600 mm) | 050 147   | 5  |
| 16' (4800 mm) | 050 148   | 5  |

Screws not included - recommend #6 Flat Head

### Guide roller 1221

Steel, adjustable Screws included

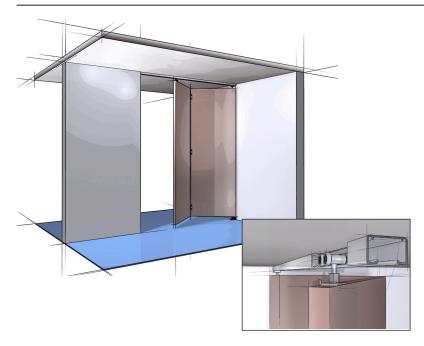


| Article           | Order no. | PU |
|-------------------|-----------|----|
| Guide roller 1221 | 050 141   | 20 |

www.grantdoorhardware.com 1.15

# Grant Bi-fold 150

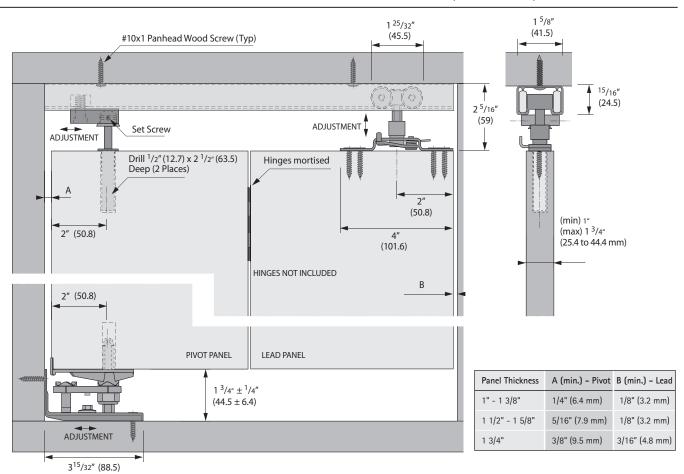
bi-fold up to 150 lbs/panel (68 kg/panel), multi-fold up to 75 lbs/panel (34 kg/panel) for door thickness 1" (25.4 mm) to  $1 \frac{3}{4}$ " (44.4 mm), top mount, adjustable



#### Grant Bi-fold 150

A medium duty, top hung folding door system. The Grant Bi-fold 150 system supports most medium duty residential and commercial grade bi-fold and multi-fold applications.

- For door panels 1" (25.4 mm) to 1 ¾" (44.4 mm)
- For bi-fold doors weighing up to 150 lbs (68 kg) per panel and multi-fold doors weighing up to 75 lbs (34 kg) per panel
- 4 wheel carrier with precision ball bearing wheels for quiet, effortless operation
- Doors fold flat for better access
- Unique stay-open stay-close design to keep doors in place
- Simple and easy to install, floor cam functions as marking template ensuring top and bottom holes are aligned, no measuring needed
- Pre-drilled Aluminum track up to 16' (4800 mm)
- No bottom guide assistance required
- Meets and/or exceeds ANSI/BHMA standards



Technical specifications are subject to change without notice

1.16 www.hettich.com

Mounting: Top

Adjustment: ½" (12.7 mm) vertical

Door thickness: 1" (25.4 mm) to 1¾" (44.4 mm)

Headroom: 2 1/16" (52.4 mm) min., 2 9/16" (65.1 mm) max. Application: Bi-fold and Multi-fold up to 6 panels one way

#### Grant Bi-fold 150 door hardware is available in three purchasing options

-jamb pivoto-carrier

#### Option I

Complete package: includes track, hardware set, and all screws

# Grant Bi-fold 150 2-dr 1-way set Hardware and track

Packing includes:

1 track 150E

1 hardware set Bi-fold 150



| Length       | Order no. | PU     |
|--------------|-----------|--------|
| 4' (1200 mm) | 113 524 4 | 5 sets |
| 5' (1500 mm) | 113 524 5 | 5 sets |
| 6' (1800 mm) | 113 524 6 | 5 sets |
| 8' (2400 mm) | 113 524 7 | 5 sets |

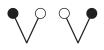
For longer track application order hardware set and track separately

# Grant Bi-fold 150 4-dr 2-each way set Hardware and track

Packing includes:

1 track 150E

2 hardware set Bi-fold 150



| Length       | Order no. | PU     |
|--------------|-----------|--------|
| 4' (1200 mm) | 113 524 8 | 5 sets |
| 5' (1500 mm) | 113 524 9 | 5 sets |
| 6' (1800 mm) | 113 525 0 | 5 sets |
| 8' (2400 mm) | 113 525 1 | 5 sets |

For longer track application order hardware set and track separately

#### Option II

Track only

# Single track 150E



| Length        | Order no. | PU   |
|---------------|-----------|------|
| 4' (1200 mm)  | 113 443 1 | each |
| 5' (1500 mm)  | 113 443 2 | each |
| 6' (1800 mm)  | 113 443 3 | each |
| 8' (2400 mm)  | 113 443 4 | each |
| 10' (3000 mm) | 113 443 5 | each |
| 12' (3600 mm) | 113 443 6 | each |
| 16' (4800 mm) | 113 443 7 | each |

Screws not included - recommend #10 Pan Head

#### Option III

Hardware set only (without track)

Grant Bi-fold 150 Hardware set 2-dr 1-way for two door installation, one way

Hardware set includes:

- 1 pivot plate assembly
- 1 carrier 150E with quick release top plate
- 1 plunger spring assembly
- 1 floor cam assembly necessary screws installation instructions



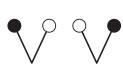


| Article                 | Order no. | PU      |
|-------------------------|-----------|---------|
| Hardware set 2-dr 1-way | 113 516 7 | 10 sets |

# Grant Bi-fold 150 Hardware set 4-dr 2-each way for four door installation, two door each way

Hardware set includes:

- 2 pivot plate assembly
- 2 carrier 150E with quick release top plate
- 2 plunger spring assembly
- 2 floor cam assembly necessary screws installation instructions





| Article                 | Order no. | PU      |
|-------------------------|-----------|---------|
| Hardware set 4-dr 2-way | 113 525 2 | 10 sets |

www.grantdoorhardware.com 1.17

# Medium Duty Bi-fold Door Set

# Grant Bi-fold 150

bi-fold up to 150 lbs/panel (68 kg/panel), multi-fold up to 75 lbs/panel (34 kg/panel) for door thickness 1" (25.4 mm) to  $1 \frac{3}{4}$ " (44.4 mm), top mount, adjustable

#### Grant Bi-fold 150 Multi-fold doors:

Up to 6 panels one way

Bi-fold applications up to 150 lbs/panel (68 kg/panel)

Multi-fold applications up to 75 lbs/panel (34 kg/panel)

For each additional set of panels over two add one (1) - Grant carrier 150E w/top plate and one (1) - Bi-fold hinge set

| No. of doors | Layout | Load Capacity per panel | Hardware sets less track   | Item numbers to order  |
|--------------|--------|-------------------------|--|--|
| 2            |        | 150 lbs (68 kg)         | 1 - set BF150 2-Dr 1-way   | 1 - 113 516 7  |
| 4            |        | 150 lbs (68 kg)         | 1 - set BF150 4-Dr 2-way   | 1 - 113 525 2  |
| 4            |        | 75 lbs (34 kg)          | 1 – set BF150 2-Dr 1-way<br>1 – carrier 150E w/ top plate<br>1 – extra bi-fold hinge set (not incl.) | 1 - 113 516 7<br>1 - 113 516 3<br>1 - extra bi-fold hinge sets |
| 6            |        | 75 lbs (34 kg)          | 1 – set BF150 2–Dr 1–way<br>2 – carrier 150E w/ top plate<br>2 – extra bi–fold hinge set (not incl.) | 1 - 113 516 7<br>2 - 113 516 3<br>2 - extra bi-fold hinge sets |
| 8            |        | 75 lbs (34 kg)          | 1 – set BF150 4-Dr 2-way<br>2 – carrier 150E w/ top plate<br>2 – extra bi-fold hinge set (not incl.) | 1 - 113 525 2<br>2 - 113 516 3<br>2 - extra bi-fold hinge sets |
| 8            |        | 75 lbs (34 kg)          | 1 – set BF150 4–Dr 2–way<br>2 – carrier 150E w/ top plate<br>2 – extra bi–fold hinge set (not incl.) | 1 - 113 525 2<br>2 - 113 516 3<br>2 - extra bi-fold hinge sets |

#### Grant Carrier 150E with top plate

four ball bearing wheels steel, spring loaded quick release top plate screws included



| Article                  | Order no. | PU |
|--------------------------|-----------|----|
| Carrier 150E w/top plate | 113 516 3 | 10 |

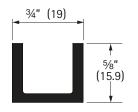
1.18 www.hettich.com

#### Accessory parts (not included in set)

**NOTE:** The Bi-fold 150 folding door system does not require the assistance of a bottom guide. If a bottom guide is desired the Guide channel 1222 and 1221 adjustable floor guide can be used. Installation measurements must be checked as some extreme adjustments may not work.

#### Guide channel 1222

Aluminum extruded





| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 142   | 5  |
| 5' (1500 mm)  | 050 143   | 5  |
| 6' (1800 mm)  | 050 144   | 5  |
| 8' (2400 mm)  | 050 145   | 5  |
| 10' (3000 mm) | 050 146   | 5  |
| 12' (3600 mm) | 050 147   | 5  |
| 16' (4800 mm) | 050 148   | 5  |

Screws not included - recommend #6 Flat Head

#### Guide roller 1221

Steel, adjustable Screws included



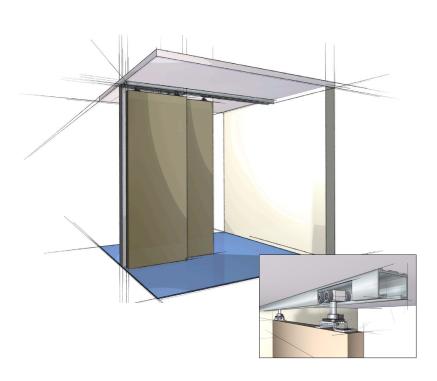
| Article           | Order no. | PU |
|-------------------|-----------|----|
| Guide roller 1221 | 050 141   | 20 |

www.grantdoorhardware.com

# Grant 75E

up to 75 lbs/door (34 kg/door)

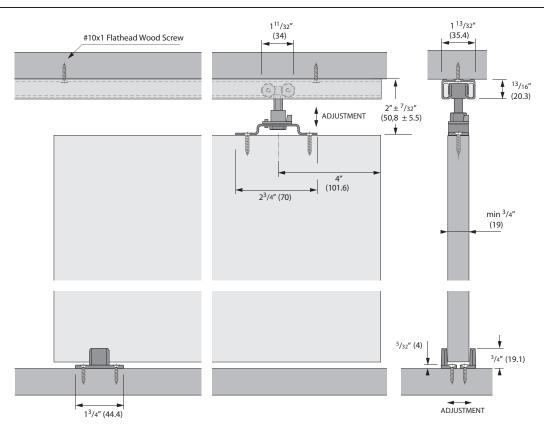
for door thickness 3/4" (19 mm) minimum, top mount, adjustable



#### Grant 75E

The Grant 75E Series is a medium duty commercial and residential grade sliding door hardware series ideal for single and bi-parting installations. Applications include doors between rooms, closet doors, cabinets, storage walls, and partitions.

- Precision ball bearing wheels ensure a smooth, quiet, and long lasting performance
- Pre-drilled aluminum box track hides the hardware
- Quick release mechanism for easy door installation and adjustment
- ¾6" (11.1 mm) vertical adjustment; minimal headroom required
- Track is available in lengths up to 16' (4800 mm)
- Flexible system 50E tracks and carriers also used in Bi-fold 50 series
- Bi-parting applications achieved by adding an additional 75E Hardware set; By-pass applications can be achieved by mounting two tracks in parallel – 75E By-pass sets also available
- Meets and/or exceeds ANSI/BHMA standards



Technical specifications are subject to change without notice

1.20 www.hettich.com

Mounting: Top

Adjustment: 7/16" (11.1 mm) vertical Door thickness: 34" (19 mm) min.

Headroom: 1 <sup>25</sup>/<sub>32</sub>" (45.2 mm) min., 2 <sup>7</sup>/<sub>32</sub>" (56.4 mm) max.

Application: Single & bi-parting

#### Grant 75E Series door hardware is available in four purchasing options

#### Option I - Complete package

Includes mill finish track, hardware set, and all necessary screws

#### Hardware and track

| Length       | Order no. | PU     |
|--------------|-----------|--------|
| 4' (1200 mm) | 113 533 7 | 5 sets |
| 5' (1500 mm) | 113 533 8 | 5 sets |
| 6' (1800 mm) | 113 533 9 | 5 sets |
| 8' (2400 mm) | 113 534 0 | 5 sets |

For longer track application order hardware set and track separately

# Option II

Track only

#### Single track 50E

Aluminum extruded, pre-drilled holes



| Length        | Order no. | PU   |
|---------------|-----------|------|
| 3' (900 mm)   | 113 440 6 | each |
| 4' (1200 mm)  | 113 439 9 | each |
| 5' (1500 mm)  | 113 440 0 | each |
| 6' (1800 mm)  | 113 440 1 | each |
| 8' (2400 mm)  | 113 440 2 | each |
| 10' (3000 mm) | 113 440 3 | each |
| 12' (3600 mm) | 113 440 4 | each |
| 16' (4800 mm) | 113 440 5 | each |

Screws not included - recommend #10 Flat Head

### Option III

Hardware set only

#### Grant 75E hardware set

(without track)

The hardware set includes:

- 2 carriers 50E with precision ball bearing wheels
- 2 quick release top plates
- 1 floor guide 110 necessary screws installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 533 3 | 10 sets |

#### Option IV

Separate components

#### Grant 75E components:

#### Carrier 50E with quick release top plate

Four precision ball bearing wheels, adjustable

Screws included



| Article     | Order no. | PU |
|-------------|-----------|----|
| Carrier 50E | 113 432 2 | 10 |

#### Floor Guide 110

Nylon, sold in pairs, for single door installations, screws included

Dimensions: 1 3/4" x 3/4" (44.4 x 19 mm)



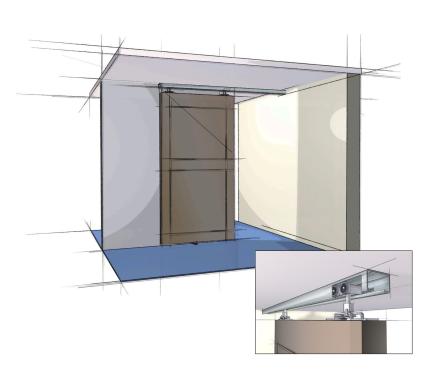
| Finish          | Order no. | PU      |
|-----------------|-----------|---------|
| Floor guide 110 | 050 101   | 50 sets |

www.grantdoorhardware.com 1.21

# Grant 150E

up to 150 lbs/door (68 kg/door)

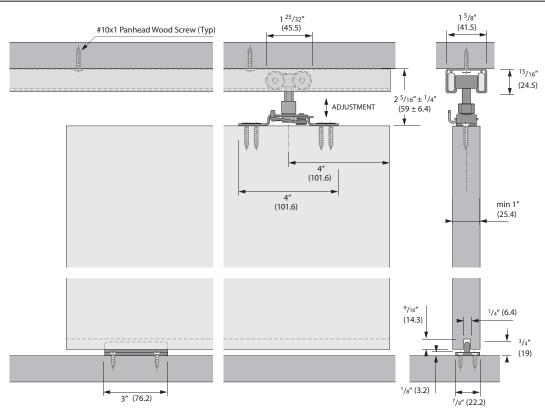
for door thickness 1" (25.4 mm) minimum, top mount, adjustable



#### Grant 150E

The Grant 150E Series is a medium duty commercial and residential grade sliding door hardware series ideal for single and bi-parting installations. Applications include doors between rooms, closet doors, cabinets, storage walls, and partitions.

- Precision ball bearing wheels ensure a smooth, quiet, and long lasting performance
- Pre-drilled aluminum box track hides the hardware
- Spring loaded quick release mechanism for easy door installation and adjustment
- ½" (12.7 mm) vertical adjustment; minimal headroom required
- Track is available in lengths up to 16' (4800 mm)
- Flexible system 150E tracks and carriers also used in Bi-fold 150 series
- Bi-parting applications achieved by adding an additional 150E Hardware set; By-pass applications can be achieved by mounting two tracks in parallel – 150E By-pass sets also available
- Meets and/or exceeds ANSI/BHMA standards



Technical specifications are subject to change without notice

1.22 www.hettich.com

Mounting: Top

Adjustment: ½ (12.7 mm) vertical Door thickness: 1" (25.4 mm) min.

Headroom: 2 1/16" (52.4 mm) min., 2 9/16" (65.1 mm) max.

Application: Single & bi-parting

#### Grant 150E Series door hardware is available in four purchasing options

#### Option I - Complete package

Includes mill finish track, hardware set, and all necessary screws

#### Hardware and track

| Length       | Order no. | PU     |
|--------------|-----------|--------|
| 4' (1200 mm) | 113 534 9 | 5 sets |
| 5' (1500 mm) | 113 535 0 | 5 sets |
| 6' (1800 mm) | 113 535 1 | 5 sets |
| 8' (2400 mm) | 113 535 2 | 5 sets |

For longer track application order hardware set and track separately

# Option II

Track only

#### Single track 150E

Aluminum extruded, pre-drilled holes



| Length        | Order no. | PU   |
|---------------|-----------|------|
| 4' (1200 mm)  | 113 443 1 | each |
| 5' (1500 mm)  | 113 443 2 | each |
| 6' (1800 mm)  | 113 443 3 | each |
| 8' (2400 mm)  | 113 443 4 | each |
| 10' (3000 mm) | 113 443 5 | each |
| 12' (3600 mm) | 113 443 6 | each |
| 16' (4800 mm) | 113 443 7 | each |
|               |           |      |

Screws not included - recommend #10 Pan Head

#### Option III

Hardware set only

#### Grant 150E hardware set

(without track)

The hardware set includes:

- 2 carriers 150E with precision ball bearing wheels
- 2 quick release top plates
- 1 floor guide 7015 necessary screws installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 533 4 | 10 sets |

#### Option IV

Separate components

#### Grant 150E components

Carrier 150E with quick release top plate

Four precision ball bearing wheels, adjustable

Steel, spring loaded quick release

Screws included



| Article      | Order no. | PU |
|--------------|-----------|----|
| Carrier 150E | 113 516 3 | 10 |

#### Floor Guide 7015

Zinc diecast, for single door installations, screws included

Dimensions: 3" x %" x ¾" (76.2 x 22.2x 19 mm)



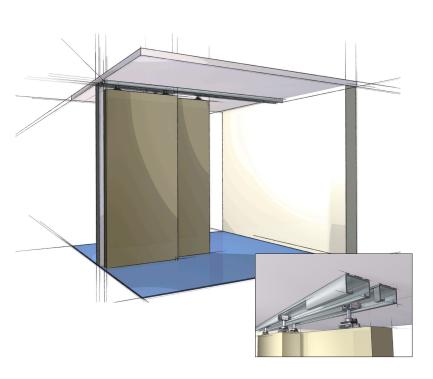
| Finish           | Order no. | PU      |
|------------------|-----------|---------|
| Floor guide 7015 | 050 562   | 50 sets |

www.grantdoorhardware.com 1.23

# Grant 75E By-pass

up to 75 lbs/door (34 kg/door)

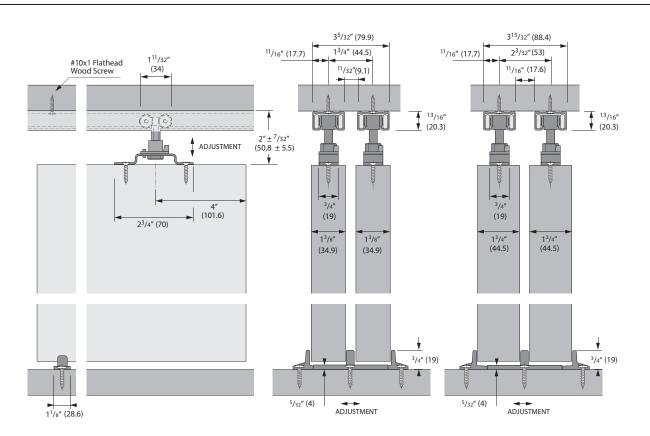
for door thickness 1 3/8" (34.9 mm) and 1 3/4" (44.4 mm), top mount, adjustable



#### Grant 75E By-pass

The Grant 75E Series is a medium duty commercial and residential grade sliding door hardware series for by-passing installations. Applications include doors between rooms, closet doors, cabinets, storage walls, and partitions.

- Precision ball bearing wheels ensure a smooth, quiet, and long lasting performance
- Pre-drilled aluminum box track hides the hardware
- Quick release mechanism for easy door installation and adjustment
- 7/16" (12.7 mm) vertical adjustment; minimal headroom required
- Track is available in lengths up to 16' (4800 mm)
- Flexible system 75E tracks and carriers also used in Bi-fold 50 series
- Bi-parting applications achieved by adding an additional 75E Hardware set
- Meets and/or exceeds ANSI/BHMA standards



Technical specifications are subject to change without notice

1.24 www.hettich.com

Mounting: Top

Adjustment: 7/16" (11.1 mm) vertical

Door thickness: 1 %" (34.9 mm) and 1 %" (44.4 mm)

Headroom: 1 <sup>25</sup>/<sub>32</sub>" (45.2 mm) min., 2 <sup>7</sup>/<sub>32</sub>" (56.4 mm) max.

Application: By-passing

#### Grant 75E By-pass Series door hardware is available in four purchasing options

#### Option I - Complete package

Includes two- mill finish pre-cut tracks, one- By-pass hardware set, all necessary screws, and installation instructions

#### By-pass Hardware and track set

| Length       | Order no. | PU     |
|--------------|-----------|--------|
| 4' (1200 mm) | 113 534 1 | 5 sets |
| 5' (1500 mm) | 113 534 2 | 5 sets |
| 6' (1800 mm) | 113 534 3 | 5 sets |
| 8' (2400 mm) | 113 534 4 | 5 sets |

For longer track application order hardware set and track separately

#### Option II Track only

,

#### Single track 50E

Aluminum extruded, pre-drilled holes



| Length        | Order no. | PU   |
|---------------|-----------|------|
| 3' (914 mm)   | 113 440 6 | each |
| 4' (1200 mm)  | 113 439 9 | each |
| 5' (1500 mm)  | 113 440 0 | each |
| 6' (1800 mm)  | 113 440 1 | each |
| 8' (2400 mm)  | 113 440 2 | each |
| 10' (3000 mm) | 113 440 3 | each |
| 12' (3600 mm) | 113 440 4 | each |
| 16' (4800 mm) | 113 440 5 | each |

Screws not included - recommend #10 Flat Head

#### Option III

Hardware set only

#### Grant 75E By-pass hardware set

(without track)

The hardware set includes:

- 4 carriers 50E with precision ball bearing wheels
- 4 quick release top plates
- 1 adjustable floor guide 114 necessary screws

installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 533 5 | 10 sets |

#### Option IV

Separate components

#### Grant 75E components

#### Carrier 50E with quick release top plate

Four precision ball bearing wheels, adjustable

Screws included



| Article     | Order no. | PU |
|-------------|-----------|----|
| Carrier 50E | 113 432 2 | 10 |

#### Floor Guide 114

Nylon, adjustable for doors 34" to 1 34" (19 to 44.4 mm), for by-passing door installations, screws included

Dimensions: 3" x 1 1/8" (76.2 x 28.6 mm)



| Finish          | Order no. | PU |
|-----------------|-----------|----|
| Floor guide 114 | 050 102   | 50 |

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# Grant 150E By-pass

up to 150 lbs/door (68 kg/door)

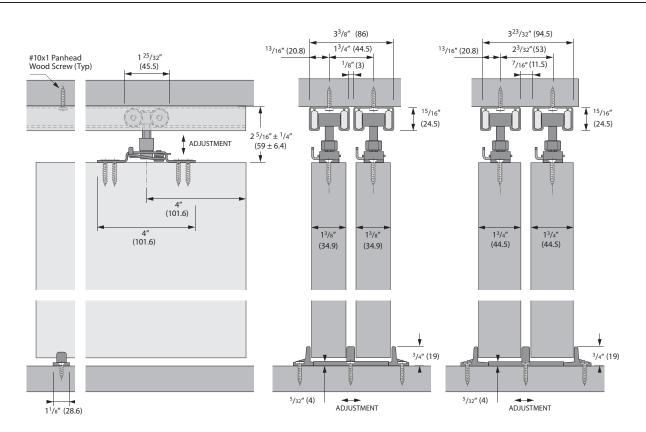
for door thickness 1 3/8" (34.9 mm) and 1 3/4 " (44.4 mm), top mount, adjustable



#### Grant 150E By-pass

The Grant 150E Series is a medium duty commercial and residential grade sliding door hardware series for by-passing installations. Applications include doors between rooms, closet doors, cabinets, storage walls, and partitions.

- Precision ball bearing wheels ensure a smooth, quiet, and long lasting performance
- Pre-drilled aluminum box track hides the hardware
- Spring loaded quick release mechanism for easy door installation and adjustment
- ½" (11.1 mm) vertical adjustment; minimal headroom required
- Track is available in lengths up to 16' (4800 mm)
- Flexible system 150E tracks and carriers also used in Bi-fold/Multi-fold 150 series
- Bi-parting applications achieved by adding an additional 150E Hardware set
- Meets and/or exceeds ANSI/BHMA standards



Technical specifications are subject to change without notice

1.26 www.hettich.com

Mounting: Top

Adjustment: ½" (12.7 mm) vertical

Door thickness: 1 %" (34.9 mm) and 1 ¾" (44.4 mm)
Headroom: 2 ½6" (52.4 mm) min., 2 ½6" (65.1 mm) max.

Application: By-passing

#### Grant 150E By-pass Series door hardware is available in four purchasing options

#### Option I - Complete package

Includes two- mill finish pre-cut tracks, one- By-pass hardware set, all necessary screws, and installation instructions

#### By-pass Hardware and track set

| Order no. | PU                                  |
|-----------|-------------------------------------|
| 113 535 3 | 5 sets                              |
| 113 535 4 | 5 sets                              |
| 113 535 5 | 5 sets                              |
| 113 535 6 | 5 sets                              |
|           | 113 535 3<br>113 535 4<br>113 535 5 |

For longer track application order hardware set and track separately

#### Option II Track only

# Single track 150E



| Length        | Order no. | PU   |
|---------------|-----------|------|
| 4' (1200 mm)  | 113 443 1 | each |
| 5' (1500 mm)  | 113 443 2 | each |
| 6' (1800 mm)  | 113 443 3 | each |
| 8' (2400 mm)  | 113 443 4 | each |
| 10' (3000 mm) | 113 443 5 | each |
| 12' (3600 mm) | 113 443 6 | each |
| 16' (4800 mm) | 113 443 7 | each |
|               |           |      |

Screws not included - recommend #10 Pan Head

### Option III

Hardware set only

#### Grant 150E By-pass hardware set

(without track)

The hardware set includes:

- 4 carriers 150E with precision ball bearing wheels
- 4 quick release top plates
- 1 adjustable floor guide 114 necessary screws installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 533 6 | 10 sets |

#### Option IV

Separate components

#### Grant 150E components

#### Carrier 150E with quick release top plate

Four precision ball bearing wheels, adjustable

Steel, spring loaded quick release

Screws included



| Article      | Order no. | PU |
|--------------|-----------|----|
| Carrier 150E | 113 516 3 | 10 |

#### Floor Guide 114

Nylon, adjustable for doors 34" to 1 34" (19 to 44.4 mm), for by-passing door installations, screws included

Dimensions: 3" x 1 1/8" (76.2 x 28.6 mm)



| Finish          | Order no. | PU |
|-----------------|-----------|----|
| Floor guide 114 | 050 102   | 50 |

www.grantdoorhardware.com 1.27



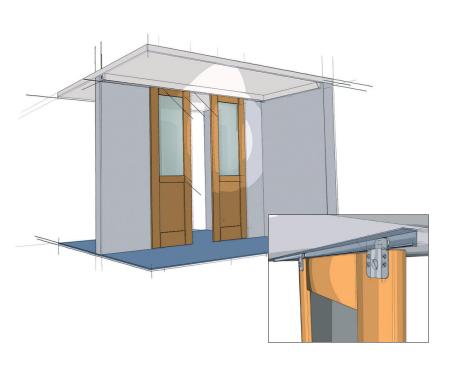


Grant® Sliding Door Sets for Single, Pocket and Bi-parting Doors

# Top Line Grant 6023

up to 50 lbs/door (23 kg/door)

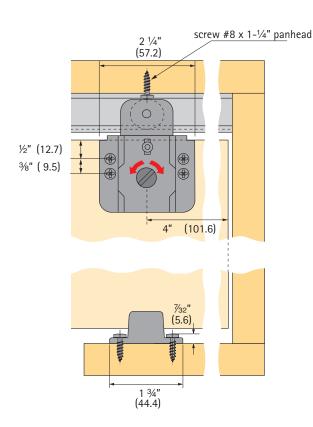
for door thickness 3/4" (19 mm) minimum, side mount, adjustable

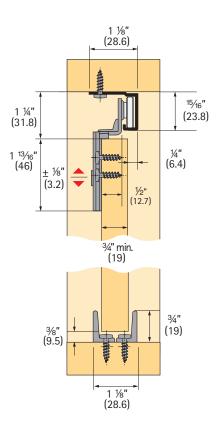


#### Top Line Grant 6023

A medium duty sliding door hardware series ideal for single and bi-parting installations. Applications include doors between rooms, closet doors, cabinets, storage walls, and partitions.

- For doors ¾" and up weighing up to 50 lbs/door (23 kg/door)
- Ball-bearing wheels ensure a smooth, quiet and long lasting performance.
- Dual set of mounting holes; ideal for hollow core doors
- Easy-turn cam vertical adjustment
- Dust free track design
- Quick door hanging by tilting pre-mounted hardware onto track profile
- Floor guide required
- Made in USA





Technical specifications are subject to change without notice

2.2 www.hettich.com

Mounting: Side

Adjustment: ¼" (6.4 mm) vertical Door thickness: ¾" (19 mm) min.

Headroom: 11/8" (28.6 mm) min., 13/8" (34.9 mm) max

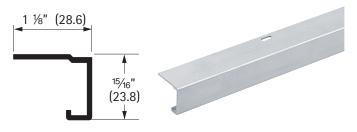
Application: Single & bi-parting

#### Top Line Grant 6023 door hardware is available in two purchasing options (not available in sets)

# Option I Track only

#### Single track 6003

Aluminum extruded, pre-drilled holes



| Length        | Order no. | PU |
|---------------|-----------|----|
| 6' (1800 mm)  | 050 461   | 5  |
| 8' (2400 mm)  | 050 462   | 5  |
| 12' (3600 mm) | 050 464   | 5  |

Screws not included - recommend #8 Pan Head

#### Option II

Separate components

#### Top Line Grant 6023 components

#### Carrier 6330

Steel, single wheel, ½" offset, side mounting, adjustable, ball bearing wheel, dual mounting holes
Screws included



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 113 333 4 | 50 |

#### Floor guide 110

Nylon, sold in pairs Screws included



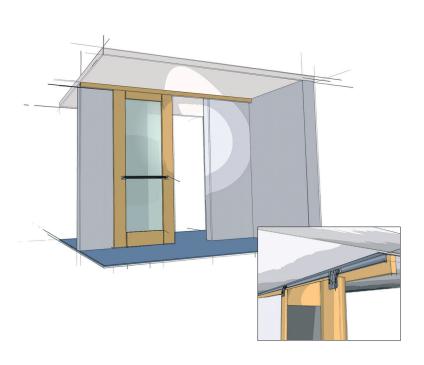
| Finish | Order no. | PU      |
|--------|-----------|---------|
| N/A    | 050 101   | 50 sets |

www.grantdoorhardware.com

# Top Line Grant 6053

up to 75 lbs/door (34 kg/door)

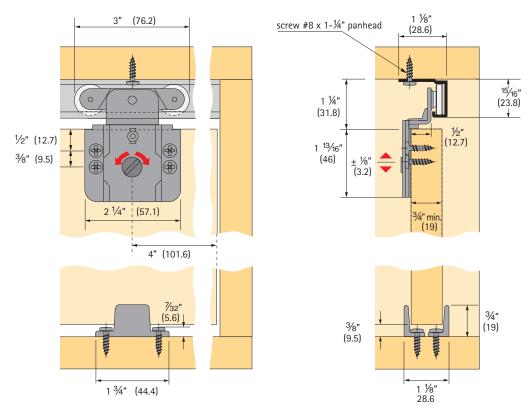
for door thickness 3/4" (19 mm) minimum, side mount, adjustable



#### Top Line Grant 6053

A medium duty sliding door hardware series ideal for single and bi-parting installations. Applications include doors between rooms, closet doors, cabinets, storage walls, and partitions.

- For doors ¾" and up weighing up to 75 lbs/door (34 kg/door)
- Ball-bearing wheels ensure a smooth, quiet and long lasting performance.
- Dual set of mounting holes; ideal for hollow core doors
- Easy-turn cam vertical adjustment
- Pivoting rocker arms ensure track-carrier contact.
- Dust free track design
- Quick door hanging by tilting pre-mounted hardware onto track profile
- Floor guide required
- Made in USA



Technical specifications are subject to change without notice

2.4 www.hettich.com

Mounting: Side

Adjustment: ¼" (6.4 mm) vertical Door thickness: ¾" (19 mm) min.

Headroom: 11/8" (28.6 mm) min., 13/8" (34.9 mm) max.

Application: Single & bi-parting

#### Top Line Grant 6053 door hardware is available in four purchasing options

#### Option I

Complete package: includes track, hardware set, and all screws

#### Hardware and track

| Length       | Order no. | PU      |
|--------------|-----------|---------|
| 4' (1200 mm) | 113 332 3 | 10 sets |
| 8' (2400 mm) | 113 332 4 | 10 sets |

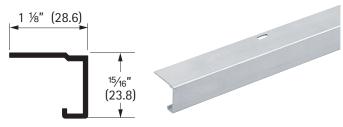
For longer track application order hardware set and track separately

## Option II

Track only

#### Single track 6003

Aluminum extruded, pre-drilled holes



| Order no. | PU                 |
|-----------|--------------------|
| 050 461   | 5                  |
| 050 462   | 5                  |
| 050 464   | 5                  |
|           | 050 461<br>050 462 |

Screws not included - recommend #8 Pan Head

#### Option III

Hardware set only

#### Top Line Grant 6053 hardware set

(without track)

The hardware set includes:

- 2 carriers 6360 ball bearing wheels
- 1 floor guide 110 necessary screws installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 332 2 | 10 sets |

#### Option IV

Separate components

#### Top Line Grant 6053 components

#### Carrier 6360

Steel, double wheel, 1/2" offset side mounting, adjustable, ball bearing wheels, dual mounting holes

Screws included



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 113 333 7 | 50 |

#### Floor guide 110

Nylon, sold in pairs

Screws included

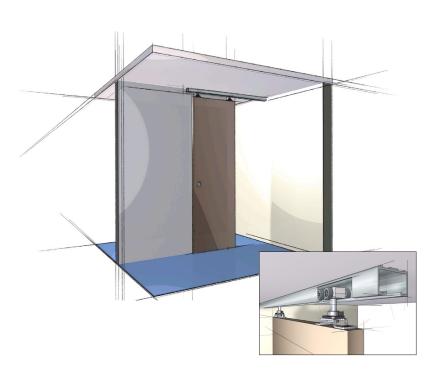


| Finish | Order no. | PU      |
|--------|-----------|---------|
| N/A    | 050 101   | 50 sets |

www.grantdoorhardware.com 2.5

up to 75 lbs/door (34 kg/door)

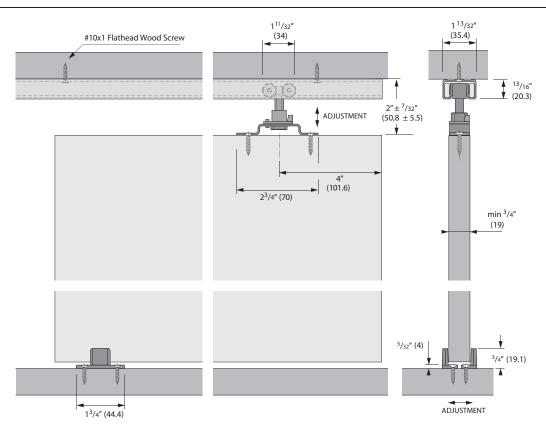
for door thickness 3/4" (19 mm) minimum, top mount, adjustable



#### Grant 75E

The Grant 75E Series is a medium duty commercial and residential grade sliding door hardware series ideal for single and bi-parting installations. Applications include doors between rooms, closet doors, cabinets, storage walls, and partitions.

- Precision ball bearing wheels ensure smooth, quiet, and long lasting performance
- Pre-drilled aluminum box track hides the hardware
- Quick release mechanism for easy door installation and adjustment
- ¾6" (11.1 mm) vertical adjustment; minimal headroom required
- Track is available in lengths up to 16' (4800 mm)
- Flexible system 50E tracks and carriers also used in Bi-fold 50 series
- Bi-parting applications achieved by adding an additional 75E Hardware set; By-pass applications can be achieved by mounting two tracks in parallel – 75E By-pass sets also available
- Meets and/or exceeds ANSI/BHMA standards



Technical specifications are subject to change without notice

2.5.1 www.hettich.com

Mounting: Top

Adjustment: 7/16" (11.1 mm) vertical Door thickness: 3/4" (19 mm) min.

Headroom: 1 <sup>25</sup>/<sub>32</sub>" (45.2 mm) min., 2 <sup>7</sup>/<sub>32</sub>" (56.4 mm) max.

Application: Single & bi-parting

# Grant 75E Series door hardware is available in four purchasing options

# Option I - Complete package

Includes mill finish track, hardware set, and all necessary screws

# Hardware and track

| Length       | Order no. | PU     |
|--------------|-----------|--------|
| 4' (1200 mm) | 113 533 7 | 5 sets |
| 5' (1500 mm) | 113 533 8 | 5 sets |
| 6' (1800 mm) | 113 533 9 | 5 sets |
| 8' (2400 mm) | 113 534 0 | 5 sets |

For longer track application order hardware set and track separately

# Option II

Track only

# Single track 50E

Aluminum extruded, pre-drilled holes



| Length        | Order no. | PU   |
|---------------|-----------|------|
| 3' (900 mm)   | 113 440 6 | each |
| 4' (1200 mm)  | 113 439 9 | each |
| 5' (1500 mm)  | 113 440 0 | each |
| 6' (1800 mm)  | 113 440 1 | each |
| 8' (2400 mm)  | 113 440 2 | each |
| 10' (3000 mm) | 113 440 3 | each |
| 12' (3600 mm) | 113 440 4 | each |
| 16' (4800 mm) | 113 440 5 | each |

Screws not included - recommend #10 Flat Head

# Option III

Hardware set only

# Grant 75E hardware set

(without track)

The hardware set includes:

- 2 carriers 50E with precision ball bearing wheels
- 2 quick release top plates
- 1 floor guide 110 necessary screws installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 533 3 | 10 sets |

### Option IV

Separate components

# Grant 75E components:

# Carrier 50E with quick release top plate

Four precision ball bearing wheels, adjustable

Screws included



| Article     | Order no. | PU |
|-------------|-----------|----|
| Carrier 50E | 113 432 2 | 10 |

# Floor Guide 110

Nylon, sold in pairs, for single door installations, screws included

Dimensions: 1 3/4" x 3/4" (44.4 x 19 mm)



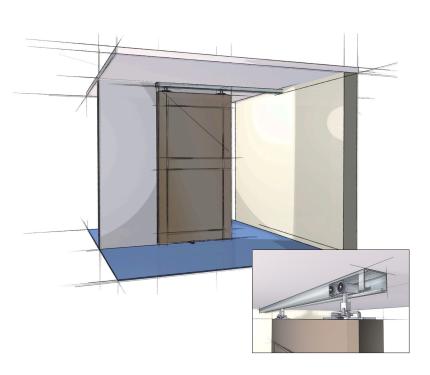
| Finish          | Order no. | PU      |
|-----------------|-----------|---------|
| Floor guide 110 | 050 101   | 50 sets |

www.grantdoorhardware.com 2.5.2

# Grant 150E

up to 150 lbs/door (68 kg/door)

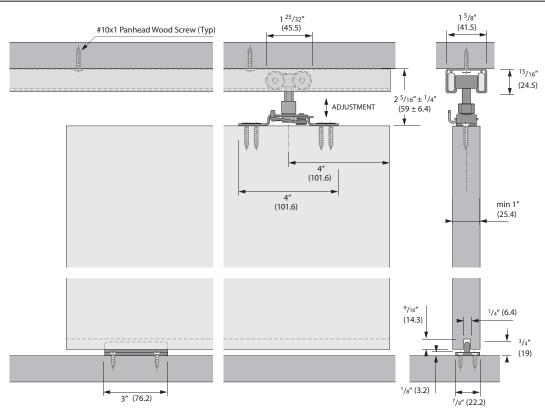
for door thickness 1" (25.4 mm) minimum, top mount, adjustable



# Grant 150E

The Grant 150E Series is a medium duty commercial and residential grade sliding door hardware series ideal for single and bi-parting installations. Applications include doors between rooms, closet doors, cabinets, storage walls, and partitions.

- Precision ball bearing wheels ensure smooth, quiet, and long lasting performance
- Pre-drilled aluminum box track hides the hardware
- Spring loaded quick release mechanism for easy door installation and adjustment
- ½" (12.7 mm) vertical adjustment; minimal headroom required
- Track is available in lengths up to 16' (4800 mm)
- Flexible system 150E tracks and carriers also used in Bi-fold 150 series
- Bi-parting applications achieved by adding an additional 150E Hardware set; By-pass applications can be achieved by mounting two tracks in parallel – 150E By-pass sets also available
- Meets and/or exceeds ANSI/BHMA standards



Technical specifications are subject to change without notice

2.5.3 www.hettich.com

Mounting: Top

Adjustment: ½ (12.7 mm) vertical Door thickness: 1" (25.4 mm) min.

Headroom: 2 1/16" (52.4 mm) min., 2 9/16" (65.1 mm) max.

Application: Single & bi-parting

# Grant 150E Series door hardware is available in four purchasing options

#### Option I - Complete package

Includes mill finish track, hardware set, and all necessary screws

# Hardware and track

| Length       | Order no. | PU     |
|--------------|-----------|--------|
| 4' (1200 mm) | 113 534 9 | 5 sets |
| 5' (1500 mm) | 113 535 0 | 5 sets |
| 6' (1800 mm) | 113 535 1 | 5 sets |
| 8' (2400 mm) | 113 535 2 | 5 sets |

For longer track application order hardware set and track separately

# Option II

Track only

# Single track 150E

Aluminum extruded, pre-drilled holes



| Length        | Order no. | PU   |
|---------------|-----------|------|
| 4' (1200 mm)  | 113 443 1 | each |
| 5' (1500 mm)  | 113 443 2 | each |
| 6' (1800 mm)  | 113 443 3 | each |
| 8' (2400 mm)  | 113 443 4 | each |
| 10' (3000 mm) | 113 443 5 | each |
| 12' (3600 mm) | 113 443 6 | each |
| 16' (4800 mm) | 113 443 7 | each |
|               |           |      |

Screws not included - recommend #10 Pan Head

### Option III

Hardware set only

# Grant 150E hardware set

(without track)

The hardware set includes:

- 2 carriers 150E with precision ball bearing wheels
- 2 quick release top plates
- 1 floor guide 7015 necessary screws installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 533 4 | 10 sets |

#### Option IV

Separate components

# Grant 150E components

Carrier 150E with quick release top plate

Four precision ball bearing wheels, adjustable

Steel, spring loaded quick release

Screws included



| Article      | Order no. | PU |
|--------------|-----------|----|
| Carrier 150E | 113 516 3 | 10 |

# Floor Guide 7015

Zinc diecast, for single door installations, screws included

Dimensions: 3" x %" x ¾" (76.2 x 22.2x 19 mm)



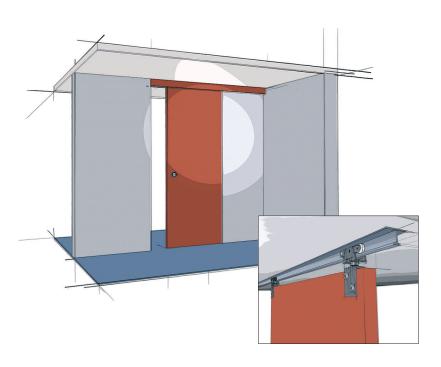
| Finish           | Order no. | PU      |
|------------------|-----------|---------|
| Floor guide 7015 | 050 562   | 50 sets |

www.grantdoorhardware.com 2.5.4

# Top Line Grant 71-034

up to 150 lbs/door (68 kg/door)

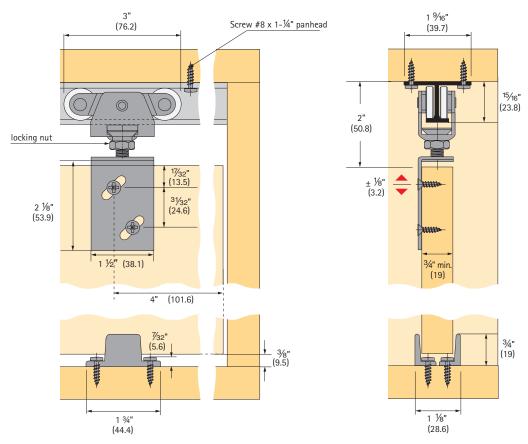
for door thickness 3/4" (19 mm) minimum, side mount, adjustable



# Top Line Grant 71-034

A medium duty commercial and residential grade sliding door hardware series ideal for single and bi-parting installations. Applications include doors between rooms, closet doors, cabinets, storage walls, and partitions.

- For doors <sup>3</sup>/<sub>4</sub>" and up weighing up to 150 lbs (68 kg), optional nylon wheel carrier up to 100 lbs (45 kg)
- Precision ball-bearing wheels ensure a smooth, quiet and long lasting performance.
- Heavy duty aluminum I-beam track; jump proof design
- Pivoting rocker arms ensure track-carrier contact.
- Ball and socket suspension compensates for minor header misalignment.
- · Lock nut ensures permanent positioning.
- Serrations in apron permit vertical adjustment.
- Meets and/or exceeds ANSI/BHMA standards
- Made in USA



Technical specifications are subject to change without notice

2.6 www.hettich.com

Mounting: Side

Adjustment: 1/4" (6.4 mm) vertical 3/4" (19 mm) min. Door thickness:

Headroom: 1%" (47.6 mm) min., 2%" (53.9 mm) max.

Application: Single & bi-parting

# Top Line Grant 71-034 door hardware is available in four purchasing options

#### Option I

Complete package: includes track, hardware set, and all screws

#### Hardware and track

| Length       | Order no. | PU     |
|--------------|-----------|--------|
| 4' (1200 mm) | 113 334 1 | 5 sets |
| 6' (1800 mm) | 113 334 2 | 5 sets |

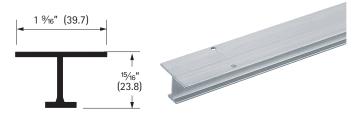
For longer track application order hardware set and track separately

# Option II

Track only

# Single track 7001

Aluminum extruded, pre-drilled holes



| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 519   | 5  |
| 5' (1500 mm)  | 050 520   | 5  |
| 6' (1800 mm)  | 050 521   | 5  |
| 8' (2400 mm)  | 050 522   | 5  |
| 10' (3000 mm) | 050 523   | 5  |
| 12' (3600 mm) | 050 524   | 5  |
| 16' (4800 mm) | 050 525   | 5  |
|               |           |    |

Screws not included - recommend #8 Pan Head Tracks 8' and under are notched at one end for easy access

# Option III

Hardware set only

# Top Line Grant 71-034 hardware set

(without track)

The hardware set includes:

- 2 carriers 7000 precision ball bearing wheels
- 2 aprons 7034
- 1 floor guide 110
- 1 wrench

necessary screws

installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 334 0 | 10 sets |

# Option IV

Separate components

# Top Line Grant 71-034 components Carrier 7000 ball bearing

Steel, precision ball bearing wheels, up to 150 lbs/door (68 kg/door)



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 113 333 9 | 100 |

#### Apron 7034

Electro zinc plated, Cold rolled steel, adjustable, 34" offset

Screws included



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 050 563   | 100 |

# Floor guide 110

Nylon, sold in pairs

Screws included



| Finish | Order no. | PU      |
|--------|-----------|---------|
| N/A    | 050 101   | 50 sets |

# Optional parts (not included in set)

# Carrier 7000 nylon

Steel, wheel nylon, up to 100 lbs/door (45 kg/door)



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 113 333 8 | 100 |

# Bumper stop 7014

Steel, track mounted, rubber stop, 2 required per track



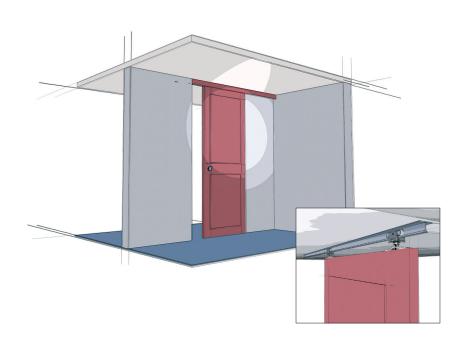
| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 561   | 20 |

2.7 www.grantdoorhardware.com

# Top Line Grant 71-111

up to 150 lbs/door (68 kg/door)

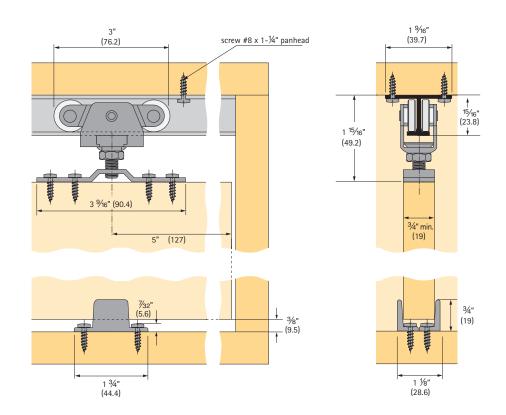
for door thickness 3/4" (19 mm) minimum, top mount, non-adjustable



# Top Line Grant 71-111

A medium duty commercial and residential grade sliding door hardware series ideal for single and bi-parting installations. Applications include doors between rooms, closet doors, cabinets, storage walls, and partitions.

- For doors <sup>3</sup>/<sub>4</sub>" and up weighing up to 150 lbs (68 kg), optional nylon wheel carrier up to 100 lbs (45 kg)
- Precision ball-bearing wheels ensure a smooth, quiet and long lasting performance.
- Non-adjustable
- Heavy duty aluminum I-beam track; jump proof design
- Pivoting rocker arms ensure track-carrier contact.
- Ball and socket suspension compensates for minor header misalignment.
- Lock nut ensures permanent positioning.
- Meets and/or exceeds ANSI/BHMA standards
- Made in USA



Technical specifications are subject to change without notice

2.8 www.hettich.com

Mounting: Top Adjustment: None

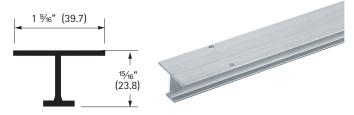
Door thickness: 34" (19 mm) min. Headroom:  $1^{15}/16$ " (49.2 mm) Application: Single & bi-parting

# Top Line Grant 71-111 door hardware is available in two purchasing options (not available in sets)

# Option I Track only

# Single track 7001

Aluminum extruded, pre-drilled holes



| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 519   | 5  |
| 5' (1500 mm)  | 050 520   | 5  |
| 6' (1800 mm)  | 050 521   | 5  |
| 8' (2400 mm)  | 050 522   | 5  |
| 10' (3000 mm) | 050 523   | 5  |
| 12' (3600 mm) | 050 524   | 5  |
| 16' (4800 mm) | 050 525   | 5  |
|               |           |    |

Screws not included – recommend #8 Pan Head
Tracks 8' and under are notched at one end for easy access

# Option II

Separate components

# Top Line Grant 71-111 components

# Carrier 7000 ball bearing

Steel, precision ball bearing wheels, up to 150 lbs/door (68 kg/door)



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 113 333 9 | 100 |

# Carrier 7000 nylon

Steel, wheel nylon, up to 100 lbs/door (45 kg/door)



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 113 333 8 | 100 |

# Top plate 7111

Steel, with pendant bolt, non adjustable

Screws included



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 050 564   | 100 |

# Floor guide 110

Nylon, sold in pairs

Screws included



| Finish | Order no. | PU      |
|--------|-----------|---------|
| N/A    | 050 101   | 50 sets |

# Bumper stop 7014

Steel, track mounted, rubber stop, 2 required per track



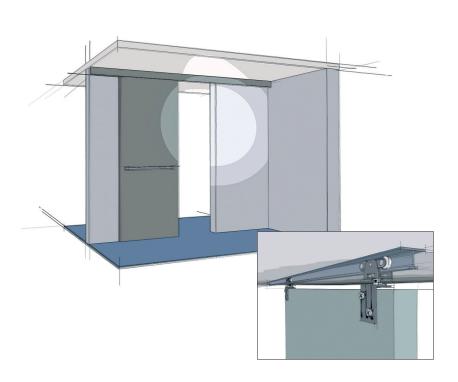
| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 561   | 20 |

www.grantdoorhardware.com

# Top Line Grant 71-138

up to 150 lbs/door (68 kg/door)

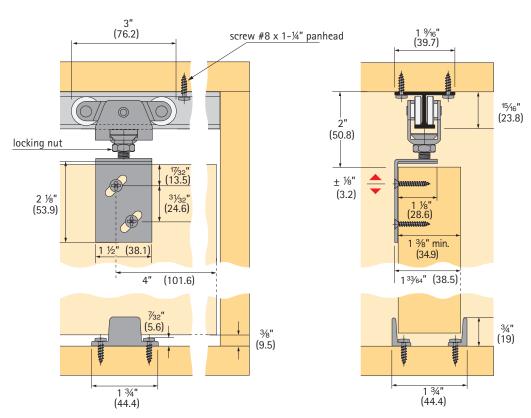
for door thickness 1 3/8" (34.9 mm) minimum, side mount, adjustable



# Top Line Grant 71-138

A medium duty commercial and residential grade sliding door hardware series ideal for single and bi-parting installations. Applications include doors between rooms, closet doors, cabinets, storage walls, and partitions.

- For doors 1 %" and up weighing up to 150 lbs (68 kg), optional nylon wheel carrier up to 100 lbs (45 kg)
- Precision ball-bearing wheels ensure a smooth, quiet and long lasting performance.
- Heavy duty aluminum I-beam track; jump proof design
- Pivoting rocker arms ensure track-carrier contact.
- Ball and socket suspension compensates for minor header misalignment.
- Lock nut ensures permanent positioning.
- Serrations in apron permit vertical adjustment.
- Meets and/or exceeds ANSI/BHMA standards
- Made in USA



Technical specifications are subject to change without notice

2.10 www.hettich.com

Mounting: Side

Adjustment: ¼" (6.4 mm) vertical Door thickness: 1%" (34.9 mm) min.

Headroom: 1%" (47.6 mm) min., 2%" (53.9 mm) max.

Application: Single & bi-parting

### Top Line Grant 71-138 door hardware is available in four purchasing options

#### Option I

Complete package: includes track, hardware set, and all screws

#### Hardware and track

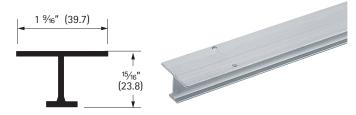
| Article      | Order no. | PU     |
|--------------|-----------|--------|
| 6' (1800 mm) | 113 334 4 | 5 sets |

For longer track application order hardware set and track separately

# Option II Track only

# Single track 7001

Aluminum extruded, pre-drilled holes



| U |
|---|
|   |
|   |
|   |
|   |
|   |
|   |
|   |
|   |

Screws not included – recommend #8 Pan Head Tracks 8' and under are notched at one end for easy access

# **Option III**Hardware set only

# **Top Line Grant 71–138 hardware set** (without track)

The hardware set includes:

- 2 carriers 7000 precision ball bearing wheels
- 2 aprons 7138
- 1 floor guide 110
- 1 wrench

necessary screws

installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 334 3 | 10 sets |

# Option IV

Separate components

# Top Line Grant 71-138 components Carrier 7000 ball bearing

Steel, precision ball bearing wheels, up to 150 lbs/door (68 kg/door)



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 113 333 9 | 100 |

# Apron 7138

Cold rolled steel, adjustable, 1 1/8" offset

Screws included



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 050 565   | 100 |

# Floor guide 110

Nylon, sold in pairs

Screws included



| Finish | Order no. | PU      |
|--------|-----------|---------|
| N/A    | 050 101   | 50 sets |

# Optional parts (not included in set)

# Carrier 7000 nylon

Steel, wheel nylon, up to 100 lbs/door (45 kg/door)

Screws included



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 113 333 8 | 100 |

# Bumper stop 7014

Steel, track mounted, rubber stop, 2 required per track



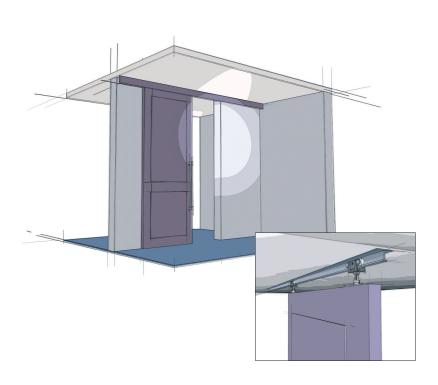
| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 561   | 20 |

www.grantdoorhardware.com 2.11

# Top Line Grant 71-222

up to 150 lbs/door (68 kg/door)

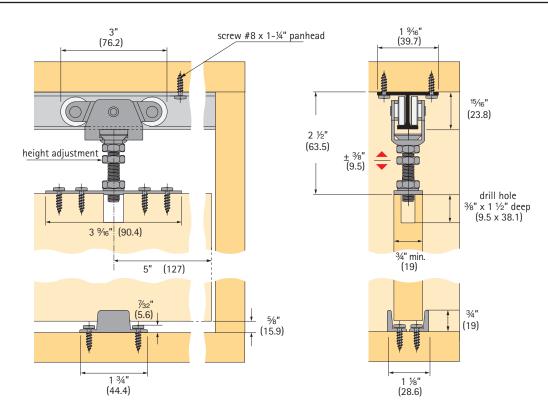
for door thickness 3/4" (19 mm) minimum, top mount, adjustable



# Top Line Grant 71-222

A medium duty commercial and residential grade sliding door hardware series ideal for single and bi-parting installations. Applications include doors between rooms, closet doors, cabinets, storage walls, and partitions.

- For doors <sup>3</sup>/<sub>4</sub>" and up weighing up to 150 lbs (68 kg), optional nylon wheel carrier up to 100 lbs (45 kg)
- Precision ball-bearing wheels ensure a smooth, quiet and long lasting performance.
- Heavy duty aluminum I-beam track; jump proof design
- Pivoting rocker arms ensure track-carrier contact.
- Ball and socket suspension compensates for minor header misalignment.
- Lock nut ensures permanent positioning.
- Vertical adjustment 3/4" (19.1 mm)
- Meets and/or exceeds ANSI/BHMA standards
- Made in USA



Technical specifications are subject to change without notice

2.12 www.hettich.com

Mounting: Top

Adjustment: 34" (19 mm) vertical Door thickness: 34" (19 mm) min.

Headroom: 21/8" (53.9 mm) min., 27/8" (73 mm) max.

Application: Single & bi-parting

# Top Line Grant 71-222 door hardware is available in four purchasing options

#### Option I

Complete package: includes track, hardware set, and all screws

#### Hardware and track

| Length       | Order no. | PU     |
|--------------|-----------|--------|
| 4' (1200 mm) | 113 334 6 | 5 sets |
| 5' (1500 mm) | 113 334 7 | 5 sets |
| 6' (1800 mm) | 113 334 8 | 5 sets |
| 8' (2400 mm) | 113 334 9 | 5 sets |

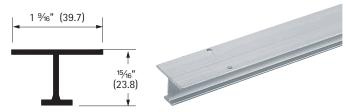
For longer track application order hardware set and track separately

# Option II

Track only

#### Single track 7001

Aluminum extruded, pre-drilled holes



| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 519   | 5  |
| 5' (1500 mm)  | 050 520   | 5  |
| 6' (1800 mm)  | 050 521   | 5  |
| 8' (2400 mm)  | 050 522   | 5  |
| 10' (3000 mm) | 050 523   | 5  |
| 12' (3600 mm) | 050 524   | 5  |
| 16' (4800 mm) | 050 525   | 5  |
|               |           |    |

Screws not included - recommend #8 Pan Head

Tracks 8' and under are notched at one end for easy access

# Option III

Hardware set only

# **Top Line Grant 71–222 hardware set** (without track)

The hardware set includes:

- 2 carriers 7000 precision ball bearing wheels
- 2 top plates with adjustable pendant bolts 7222
- 1 floor guide 110
- 1 wrench

necessary screws installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 334 5 | 10 sets |

# Option IV

Separate components

# Top Line Grant 71-222 components

# Carrier 7000 ball bearing

Steel, precision ball bearing wheels, up to 150 lbs/door (68 kg/door)



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 113 333 9 | 100 |

# Top plate 7222

Steel,

with pendant bolt, adjustable

Screws included



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 566   | 50 |

# Floor guide 110

Nylon, sold in pairs

Screws included



| Finish | Order no. | PU      |
|--------|-----------|---------|
| N/A    | 050 101   | 50 sets |

# Optional parts (not included in set)

# Carrier 7000 nylon

Steel, wheel nylon, up to 100 lbs/door (45 kg/door)



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 113 333 8 | 100 |

# Bumper stop 7014

Steel, track mounted, rubber stop, 2 required per track



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 561   | 20 |

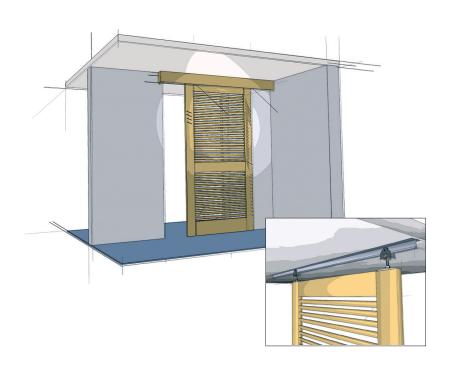
www.grantdoorhardware.com 2.13

# Single Door Set for Bi-parting, By-passing and Pocket Doors

# Top Line Grant 1210

up to 225 lbs/door (102 kg/door)

for door thickness 1" (25.4 mm) minimum, top mount, adjustable



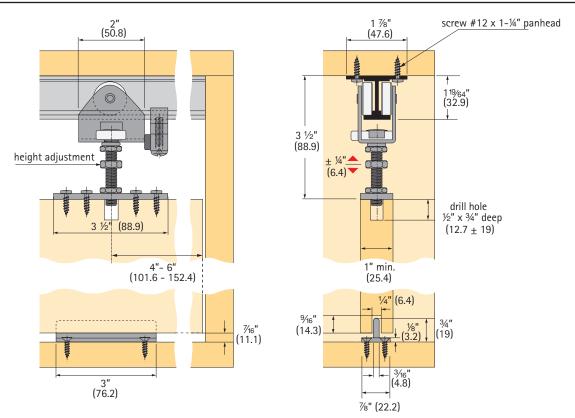
# Top Line Grant 1210

A heavy duty commercial and residential grade sliding door hardware series ideal for design applications which require the movement of heavy panels, space dividers or large doors.

- For doors 1" and up weighing up to 225 lbs/door (102 kg/door)
- Precision ball-bearing wheels ensure a smooth, quiet and effortless operation.
- Two wheel carrier, center hung for efficient operation
- Vertical adjustment ½" (12.7 mm)
- Heavy duty aluminum I-beam track; jump proof design
- Meets and/or exceeds ANSI/BHMA standards
- Made in USA

For by-passing doors mount parallel tracks

For bi-parting doors use an additional set of hardware



Technical specifications are subject to change without notice

2.14 www.hettich.com

Mounting: Top

½" (12.7 mm) vertical Adjustment: 1" (25.4 mm) min. Door thickness:

Headroom: 3¼" (82.5 mm) min., 3¾" (95.2 mm) max.

Application: Single, bi-parting, by-passing

# Top Line Grant 1210 door hardware is available in four purchasing options

#### Option I

Complete package: includes track, hardware set, and all screws

# Hardware and track

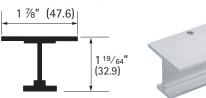
| Length        | Order no. | PU     |
|---------------|-----------|--------|
| 6' (1800 mm)  | 113 327 3 | 5 sets |
| 8' (2400 mm)  | 113 327 4 | 5 sets |
| 10' (3000 mm) | 113 327 5 | 5 sets |
| 12' (3600 mm) | 113 327 6 | 5 sets |
|               |           |        |

For longer track application order hardware set and track separately

# Option II Track only

# Single track 1201

Aluminum extruded, pre-drilled holes





| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 121   | 5  |
| 5' (1500 mm)  | 050 122   | 5  |
| 6' (1800 mm)  | 050 123   | 5  |
| 8' (2400 mm)  | 050 124   | 5  |
| 10' (3000 mm) | 050 125   | 5  |
| 12' (3600 mm) | 050 126   | 5  |
| 16' (4800 mm) | 050 127   | 5  |
|               |           |    |

Screws not included - recommend #12 Pan Head

# Option III

Hardware set only

# Top Line Grant 1210 hardware set

(without track)

The hardware set includes:

- 2 carriers 1202 precision ball bearings
- 1 floor guide 7015 necessary screws installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 327 2 | 10 sets |

### Option IV

Separate components

# Top Line Grant 1210 components

#### Carrier 1202

Steel, two wheels, precision bearings, with pendant and top plate

Screws included



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 113 327 0 | 20 |

# Floor guide 7015

Zinc diecast

Dimensions:

3" x %" x 34" (76.2 x 22.2 x 19 mm)

Screws included



| Finish | Order no. | PU |
|--------|-----------|----|
| N/A    | 050 562   | 50 |

# Optional parts (not included in set)

# Bumper stop 1212

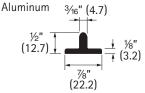
Aluminum,

with rubber bumper



| Article     | Order no. | PU |
|-------------|-----------|----|
| Bumper stop | 050 139   | 1  |

# Continuous floor guide 2014



| Length        | Order no. | PU |
|---------------|-----------|----|
| 6' (1800 mm)  | 050 448   | 5  |
| 8' (2400 mm)  | 050 449   | 5  |
| 10' (3000 mm) | 050 450   | 5  |
| 12' (3600 mm) | 050 451   | 5  |

Screws not included - recommend #6 Flat Head, pre-drilled holes

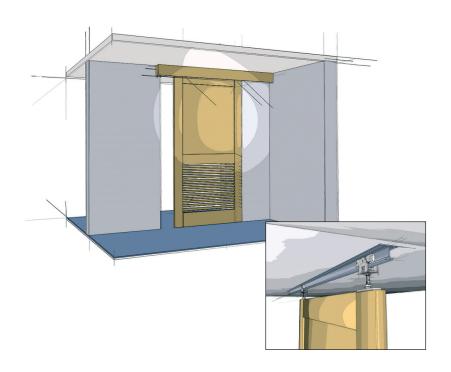
2.15 www.grantdoorhardware.com

# Single Door Set for Bi-parting, By-passing and Pocket Doors

# Top Line Grant 1230

up to 325 lbs/door (147 kg/door)

for door thickness 1" (25.4 mm) minimum, top mount, adjustable



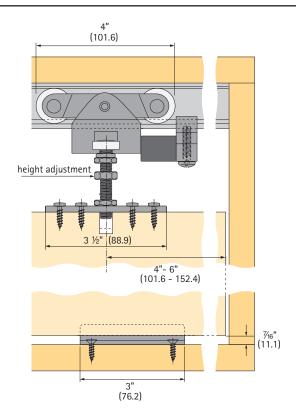
# Top Line Grant 1230

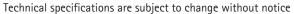
A heavy duty commercial and residential grade sliding door hardware series ideal for design applications which require the movement of heavy panels, space dividers or large doors.

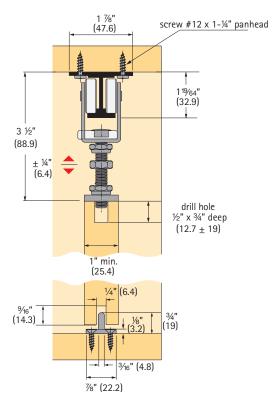
- For doors 1" and up weighing up to 325 lbs/door (147 kg/door)
- Precision ball-bearing wheels ensure a smooth, quiet and effortless operation.
- Four wheel carrier, center hung for efficient operation
- Vertical adjustment ½" (12.7 mm)
- Heavy duty aluminum I-beam track; jump proof design
- Meets and/or exceeds ANSI/BHMA standards
- Made in USA

For by-passing doors mount parallel tracks

For bi-parting doors use an additional set of hardware







2.16 www.hettich.com

Mounting: Top

½" (12.7 mm) vertical Adjustment: 1" (25.4 mm) min. Door thickness:

Headroom: 3¼" (82.5 mm) min., 3¾" (95.2 mm) max.

Application: Single, bi-parting, by-passing

# Top Line Grant 1230 door hardware is available in four purchasing options

# Option I

Complete package: includes track, hardware set, and all screws

#### Hardware and track

| Length        | Order no. | PU     |
|---------------|-----------|--------|
| 5' (1500 mm)  | 113 327 9 | 5 sets |
| 6' (1800 mm)  | 113 328 0 | 5 sets |
| 7' (2100 mm)  | 113 328 1 | 5 sets |
| 8' (2400 mm)  | 113 418 1 | 5 sets |
| 10' (3000 mm) | 113 328 2 | 5 sets |
| 12' (3600 mm) | 113 328 3 | 5 sets |
|               |           |        |

For longer track application order hardware set and track separately

# Option II Track only

# Single track 1201

Aluminum extruded, pre-drilled holes



| Length        |   | Order no. | PU |  |
|---------------|---|-----------|----|--|
| 4' (1200 mm)  | ) | 050 121   | 5  |  |
| 5' (1500 mm)  |   | 050 122   | 5  |  |
| 6' (1800 mm)  |   | 050 123   | 5  |  |
| 8' (2400 mm)  | ) | 050 124   | 5  |  |
| 10' (3000 mm) | ) | 050 125   | 5  |  |
| 12' (3600 mm) | ) | 050 126   | 5  |  |
| 16' (4800 mm) |   | 050 127   | 5  |  |
|               |   |           |    |  |

Screws not included - recommend #12 Pan Head

# Option III

Hardware set only

# Top Line Grant 1230 hardware set

(without track)

The hardware set includes:

2 carriers 1205 precision ball bearings

1 floor guide 7015 necessary screws installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 327 8 | 10 sets |

# Option IV

Separate components

# Top Line Grant 1230 components

#### Carrier 1205

Steel, four wheels, precision bearings, with pendant and top plate

Screws included



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 113 327 1 | 10 |

# Floor guide 7015

Zinc diecast

Dimensions:

3" x 1/8" x 3/4" (76.2 x 22.2 x 19 mm)

Screws included



| Finish | Order no. | PU |
|--------|-----------|----|
| N/A    | 050 562   | 50 |

# Optional parts (not included in set)

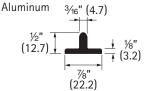
# Bumper stop 1213

Aluminum, with rubber bumper



| Article     | Order no. | PU |
|-------------|-----------|----|
| Bumper stop | 050 140   | 1  |

# Continuous floor guide 2014



| <sup>7</sup> / <sub>8</sub> "<br>(22.2) |           |    |
|---|-----------|----|
| Length                                  | Order no. | PU |
| 6' (1800 mm)                            | 050 448   | 5  |
| 8' (2400 mm)                            | 050 449   | 5  |
| 10' (3000 mm)                           | 050 450   | 5  |

050 451

Screws not included - recommend #6 Flat Head, pre-drilled holes

2.17 www.grantdoorhardware.com

12' (3600 mm)





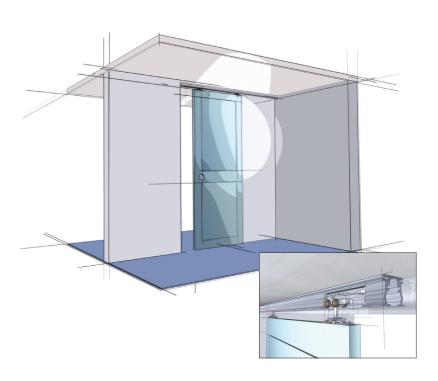
**Grant® Box Track Sets for Sliding Doors** 

# Single Door Set for Medium Duty Doors

# Top Line Grant 150

up to 150 lbs/door (68 kg/door)

for door thickness 1" (25.4 mm) minimum, top mount, adjustable



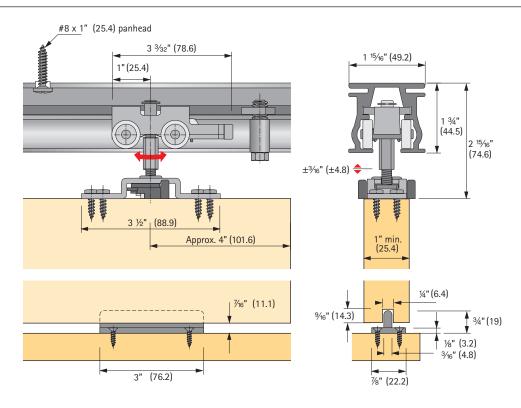
# Top Line Grant 150

The Top Line Grant 150 Series is a medium duty commercial and residential grade sliding door hardware series ideal for single and bi-parting installations. Applications include doors between rooms, closet doors, cabinets, and storage walls.

- Precision ball bearing wheels ensure a smooth, quiet, and long lasting performance.
- Quick release mechanism for easy door installation and removal
- Self-leveling design allows for even distribution of load for maximum performance and durability.
- 3/8" vertical adjustment; minimal headroom required
- Heavy duty aluminum box track
- Easy-install Endstop catch
- Wall mount brackets available
- Fascias available, no tools required
- Meets and/or exceeds ANSI/BHMA standards
- Made in USA

Although designed for single doors, by-passing doors can be accommodated by mounting parallel tracks. By using one additional set of hardware, bi-parting installations can be achieved.

The track is available in lengths up to 16 feet (4800 mm).



Technical specifications are subject to change without notice

3.2 www.hettich.com

Mounting: Top

Adjustment: 3/8" (9.5 mm) vertical Door thickness: 1" (25.4 mm) min.

Headroom: 23/4" (70 mm) min., 31/8" (79.4 mm) max.

Application: Single, bi-parting & by-passing

# Top Line Grant 150 Series door hardware is available in four options

# Option I - Complete package

Includes mill finish track, hardware set, and all necessary screws

# Hardware and track

| Order no. | PU   |
|-----------|--|
| 113 428 7 | 5 sets   |
| 113 428 8 | 5 sets   |
| 113 428 9 | 5 sets   |
| 113 429 0 | 5 sets   |
| 113 509 0 | 5 sets   |
|           | 113 428 7<br>113 428 8<br>113 428 9<br>113 429 0 |

For longer track application order hardware set and track separately

# Option II Track only

# Single track 150

Aluminum, pre-drilled holes, mill or anodized finish



| Length        | Mill finish | Anodized finish | PU |
|---------------|-------------|-----------------|----|
| 4' (1200 mm)  | 113 425 8   | 113 421 1       | 5  |
| 5' (1500 mm)  | 113 425 9   | 113 421 2       | 5  |
| 6' (1800 mm)  | 113 426 0   | 113 413 3       | 5  |
| 8' (2400 mm)  | 113 426 1   | 113 413 4       | 5  |
| 10' (3000 mm) | 113 426 2   | 113 413 5       | 5  |
| 12' (3600 mm) | 113 426 3   | 113 413 6       | 5  |
| 16' (4800 mm) | 113 426 4   | 113 413 7       | 5  |

Screws not included - recommend #8 panhead

#### Option III

Hardware set only

# Top Line Grant 150 hardware set

(without track)

The hardware set includes:

- 2 carriers 150 series with precision ball bearing wheels
- 2 quick release top plates with adjustable pendant bolts
- 2 endstop catch
- 1 floor guide 7015 necessary screws installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 414 5 | 10 sets |

#### Option IV

Separate components

# Top Line Grant 150 components

# Carrier 150 with quick release top plate

Four precision ball bearing wheels, self-leveling, adjustable

Screws included



| Article     | Order no. | PU |
|-------------|-----------|----|
| Carrier 150 | 113 424 6 | 10 |

# Endstop Catch 150/325

Steel, easy to install, simply turn sideways, insert into track, and turn to lock into place, adjustable, holds system in position, works with 150 and 325 series



| Finish      | Order no. | PU |
|-------------|-----------|----|
| Zinc plated | 113 424 5 | 10 |

# Floor guide 7015

Zinc diecast

Dimensions:

3" x 1/8" x 3/4" (76.2 x 22.2 x 19 mm)

Screws included



| Article          | Order no. | PU |
|------------------|-----------|----|
| Floor guide 7015 | 050 562   | 50 |

# Optional parts (not included in set) see pages 3.4 - 3.5

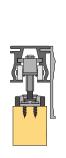
# Wall mount bracket

Aluminum



# Fascia

Track and wall mount options





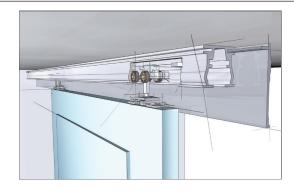
www.grantdoorhardware.com 3.3

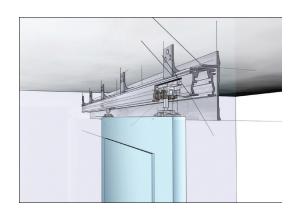
# Fascia and Wall Mount options

# **Top Line Grant 150**

up to 150 lbs/door (68 kg/door)

for door thickness 1" (25.4 mm) minimum, top mount, adjustable





# Track and Wall Mount Fascia options, 150 & 325 Series

Easily inserts into the 150 and 325 Track or Wall Mount Bracket, hides all hardware for a clean and upscale appearance.

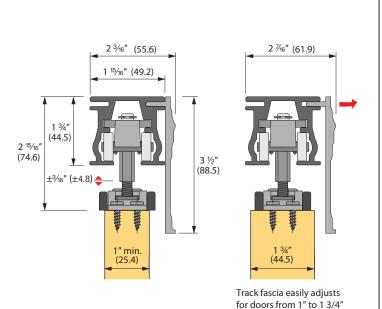
- Two fascia options available, Track or Wall Mount
- No tools or screws required.
- Adjusts to fit doors 1" [25.4 mm] to 1 3/4" [44.5 mm]
- Friction fit securely holds fascias in track and bracket.
- Available in lengths 4' through 16'
- Can be easily trimmed on jobsite
- Packaged in protective polybag
- Fascias are paintable.
- Special colors available for project quantities

#### Wall Mount Bracket, 150 & 325 Series

The Top Line Grant 150/325 Wall mount bracket is ideal for medium and heavy duty single and bi-parting applications where traditional header mounted pocket and sliding doors are not desired or cannot be structurally installed.

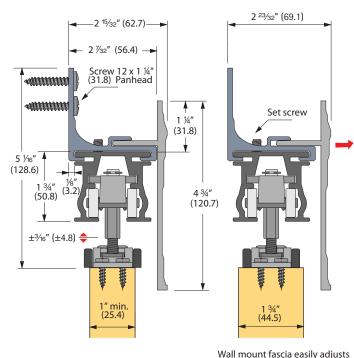
- Anodized Aluminum bracket for wall mount applications
- Same bracket used for both the Top Line Grant 150 and 325 track
- 16" (406.4 mm) spacing or less recommended
- Suitable for 1" (25.4 mm) through 1 3/4" (44.5 mm) doors
- · Optional Fascia available for wall mount bracket
- Mounting screws included
- Set screw to lock track in place
- End stops required on all wall mount applications

Track Fascia



Technical specifications are subject to change without notice

Wall Mount Bracket and Wall Mount Fascia



Wall mount fascia easily adjusts for doors from 1" to 1 3/4"

3.4 www.hettich.com

# Fascia and Wall Mount options

# **Top Line Grant 150**

up to 150 lbs/door (68 kg/door)

for door thickness 1" (25.4 mm) minimum, top mount, adjustable

# Top Line Grant 150 & 325 Series

# Track Fascia, 150 & 325

ABS material, Light gray color Paintable, Special colors can be ordered Friction fit securely holds fascia in track Easily adjusts for doors 1" to 1 3/4"



| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 113 430 7 | 1  |
| 5' (1500 mm)  | 113 430 8 | 1  |
| 6' (1800 mm)  | 113 430 9 | 1  |
| 8' (2400 mm)  | 113 431 0 | 1  |
| 10' (3000 mm) | 113 431 1 | 1  |
| 12' (3600 mm) | 113 431 2 | 1  |
| 16' (4800 mm) | 113 431 3 | 1  |

Easy to install fascia, no screws required

# Wall Mount Bracket, 150 & 325

Aluminum, Anodized finish Set screw locks track in place Uses 1/8" [3.2 mm] allen wrench 16" (406.4 mm) spacing recommended Screws included



| Article                      | Order no. | PU |
|------------------------------|-----------|----|
| Wall mount bracket, anodized | 113 442 3 | 25 |

#### Wall Mount Fascia, 150 & 325

ABS material, Light gray color Paintable, Special colors can be ordered Friction fit securely holds fascia in place Easily adjusts for doors 1" to 1 3/4"



| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 113 431 4 | 1  |
| 5' (1500 mm)  | 113 431 5 | 1  |
| 6' (1800 mm)  | 113 431 6 | 1  |
| 8' (2400 mm)  | 113 431 7 | 1  |
| 10' (3000 mm) | 113 431 8 | 1  |
| 12' (3600 mm) | 113 431 9 | 1  |
| 16' (4800 mm) | 113 432 0 | 1  |

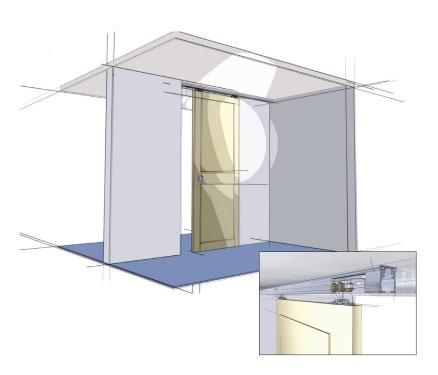
Easy to install fascia, no screws required

www.grantdoorhardware.com 3.5

# Top Line Grant 325

up to 325 lbs/door (147 kg/door)

for door thickness 1" (25.4 mm) minimum, top mount, adjustable



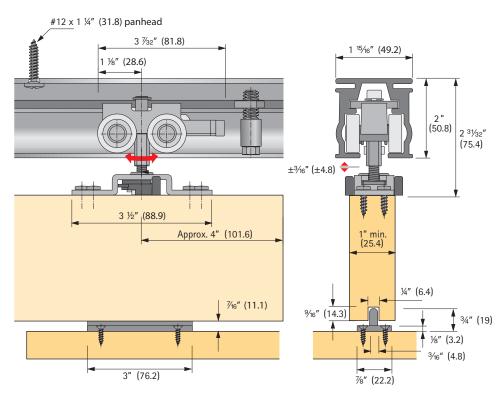
# Top Line Grant 325

The Top Line Grant 325 Series is a heavy duty commercial and residential grade sliding door hardware series ideal for single and bi-parting installations. Applications include the movement of heavy panels, space dividers or large doors.

- Precision ball bearing wheels ensure a smooth, quiet, and long lasting performance.
- Quick release mechanism for easy door installation and removal
- Self-leveling design allows for even distribution of load for maximum performance and durability.
- 3/8" vertical adjustment; minimal headroom required
- Heavy duty aluminum box track
- Easy-install Endstop catch
- Wall mount brackets available
- Fascias available, no tools required
- Meets and/or exceeds ANSI/BHMA standards
- Made in USA

Although designed for single doors, by-passing doors can be accommodated by mounting parallel tracks. By using one additional set of hardware, bi-parting installations can be achieved.

The track is available in lengths up to 16 feet (4800 mm).



Technical specifications are subject to change without notice

3.6 www.hettich.com

Mounting: Top

Adjustment: 3/8" (9.5 mm) vertical Door thickness: 1" (25.4 mm) min.

Headroom: 2<sup>25</sup>/<sub>32</sub>" (70.6 mm) min., 3<sup>5</sup>/<sub>32</sub>" (80.2 mm) max.

Application: Single, bi-parting & by-passing

#### Top Line Grant 325 Series door hardware is available in four options

### Option I - Complete package

Includes mill finish track, hardware set, and all necessary screws

# Hardware and track

| Length        | Order no. | PU     |
|---------------|-----------|--------|
| 4' (1200 mm)  | 113 429 1 | 5 sets |
| 5' (1500 mm)  | 113 429 2 | 5 sets |
| 6' (1800 mm)  | 113 429 3 | 5 sets |
| 8' (2400 mm)  | 113 429 4 | 5 sets |
| 10' (3000 mm) | 113 429 5 | 5 sets |
| 12' (3600 mm) | 113 429 6 | 5 sets |

For longer track application order hardware set and track separately

# Option II

Track only

# Single track 325



| Length        | Mill finish | Anodized finish | PU |
|---------------|-------------|-----------------|----|
| 4' (1200 mm)  | 113 427 6   | 113 421 3       | 5  |
| 5' (1500 mm)  | 113 427 7   | 113 421 4       | 5  |
| 6' (1800 mm)  | 113 427 8   | 113 413 8       | 5  |
| 8' (2400 mm)  | 113 427 9   | 113 413 9       | 5  |
| 10' (3000 mm) | 113 428 0   | 113 414 0       | 5  |
| 12' (3600 mm) | 113 428 1   | 113 414 1       | 5  |
| 16' (4800 mm) | 113 428 2   | 113 414 2       | 5  |

Screws not included - recommend #12 panhead

# Option III

Hardware set only

# Top Line Grant 325 hardware set

(without track)

The hardware set includes:

- 2 carriers 325 series with precision ball bearing wheels
- 2 quick release top plates with adjustable pendant bolts
- 2 endstop catches
- 1 floor guide 7015 necessary screws installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 414 6 | 10 sets |

# Option IV

Separate components

# Top Line Grant 325 components

# Carrier 325 with quick release top plate

Four precision ball bearing wheels, self-leveling, adjustable

Screws included



| Article     | Order no. | PU |
|-------------|-----------|----|
| Carrier 325 | 113 424 7 | 10 |

# Endstop Catch 150/325

Steel, easy to install, simply turn sideways, insert into track, and turn to lock into place, adjustable, holds system in position, works with 150 and 325 series



| Finish      | Order no. | PU |
|-------------|-----------|----|
| Zinc plated | 113 424 5 | 10 |

# Floor guide 7015

Zinc diecast

Dimensions:

3" x 1/8" x 3/4" (76.2 x 22.2 x 19 mm)

Screws included



| Article          | Order no. | PU |
|------------------|-----------|----|
| Floor guide 7015 | 050 562   | 50 |

# Optional parts (not included in set) see pages 3.8 - 3.9

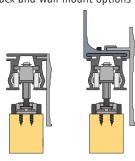
### Wall mount bracket

Aluminum



### Fascia

Track and wall mount options



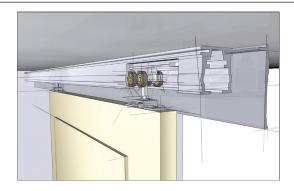
www.grantdoorhardware.com 3.7

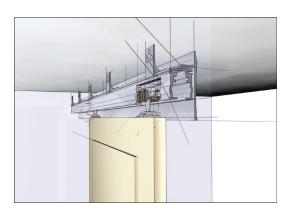
# Fascia and Wall Mount options

# Top Line Grant 325

up to 325 lbs/door (147 kg/door)

for door thickness 1" (25.4 mm) minimum, top mount, adjustable





# Track and Wall Mount Fascia options, 150 & 325 Series

Easily inserts into the 150 and 325 Track or Wall Mount Bracket, hides all hardware for a clean and upscale appearance.

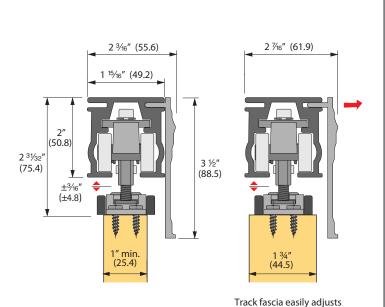
- Two fascia options available, Track or Wall Mount
- No tools or screws required.
- Adjusts to fit doors 1" [25.4 mm] to 1 3/4" [44.5 mm]
- Friction fit securely holds fascias in track and bracket.
- Available in lengths 4' through 16'
- Can be easily trimmed on jobsite
- Packaged in protective polybag
- Fascias are paintable.
- Special colors available for project quantities

# Wall Mount Bracket, 150 & 325 Series

The Top Line Grant 150/325 Wall mount bracket is ideal for medium and heavy duty single and bi-parting applications where traditional header mounted pocket and sliding doors are not desired or cannot be structurally installed.

- Anodized Aluminum bracket for wall mount applications
- Same bracket used for both the Top Line Grant 150 and 325 track
- 16" (406.4 mm) spacing or less recommended
- Suitable for 1" (25.4 mm) through 1 3/4" (44.5 mm) doors
- · Optional Fascia available for wall mount bracket
- Mounting screws included
- Set screw to lock track in place
- End stops required on all wall mount applications

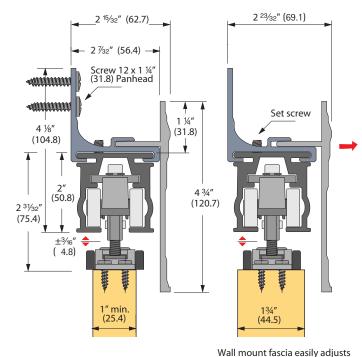
Track Fascia



for doors from 1" to 1 3/4"

Technical specifications are subject to change without notice

Wall Mount Bracket and Wall Mount Fascia



for doors from 1" to 1 3/4"

3.8 www.hettich.com

# Fascia and Wall Mount options

# **Top Line Grant 325**

up to 325 lbs/door (147 kg/door)

for door thickness 1" (25.4 mm) minimum, top mount, adjustable

# Top Line Grant 150 & 325 Series

# Track Fascia, 150 & 325

ABS material, Light gray color Paintable, Special colors can be ordered Friction fit securely holds fascia in track Easily adjusts for doors 1" to 1 3/4"



| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 113 430 7 | 1  |
| 5' (1500 mm)  | 113 430 8 | 1  |
| 6' (1800 mm)  | 113 430 9 | 1  |
| 8' (2400 mm)  | 113 431 0 | 1  |
| 10' (3000 mm) | 113 431 1 | 1  |
| 12' (3600 mm) | 113 431 2 | 1  |
| 16' (4800 mm) | 113 431 3 | 1  |

Easy to install fascia, no screws required

# Wall Mount Bracket, 150 & 325

Aluminum, Anodized finish Set screw locks track in place Uses 1/8" [3.2 mm] allen wrench 16" (406.4 mm) spacing recommended Screws included



| Article                      | Order no. | PU |
|------------------------------|-----------|----|
| Wall mount bracket, anodized | 113 442 3 | 25 |

#### Wall Mount Fascia, 150 & 325

ABS material, Light gray color Paintable, Special colors can be ordered Friction fit securely holds fascia in place Easily adjusts for doors 1" to 1 3/4"



| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 113 431 4 | 1  |
| 5' (1500 mm)  | 113 431 5 | 1  |
| 6' (1800 mm)  | 113 431 6 | 1  |
| 8' (2400 mm)  | 113 431 7 | 1  |
| 10' (3000 mm) | 113 431 8 | 1  |
| 12' (3600 mm) | 113 431 9 | 1  |
| 16' (4800 mm) | 113 432 0 | 1  |

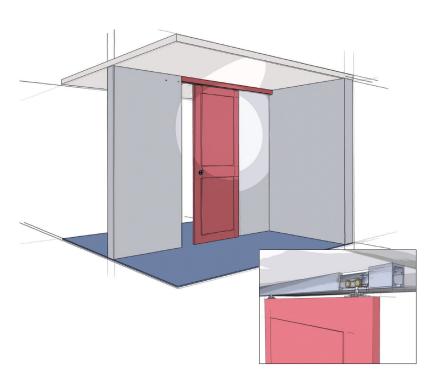
Easy to install fascia, no screws required

www.grantdoorhardware.com 3.9

# Top Line Grant 500

300 lbs to 500 lbs/door (136 kg to 227 kg/door)

for door thickness 1 3/8" (34.9 mm) minimum, top mount, adjustable



# Top Line Grant 500

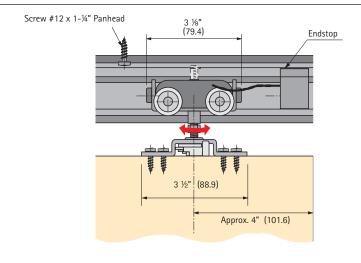
The Top Line Grant 500 Series is a heavy duty line of sliding door hardware recommended for design applications which require the movement of heavy panels, space dividers or large doors.

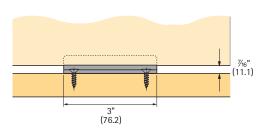
The Hettich 500 sliding door hardware series will easily move heavy partitions or doors weighing 300 lbs to 500 lbs per door (136 kg to 227 kg) per door.

- Quick release mechanism for easy door installation and removal
- Self-leveling design allows for even distribution of load for maximum performance and durability.
- 7/16" vertical adjustment with minimum headroom
- Precision bearing wheels ensure a smooth, quiet, and long lasting performance even under full load capacity.
- Heavy duty aluminum box track
- Decorative anodized finish for better corrosion resistance
- Outstanding performance and durability
- Meets and/or exceeds ANSI/BHMA standards
- Made in USA

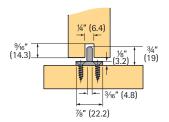
Although designed for single doors, by-passing doors can be accommodated by mounting parallel tracks. By using one additional set of hardware, bi-parting installations can be achieved.

The track is available in lengths up to 16 feet (4800 mm). Longer lengths are available upon request. Most heavy duty installations are possible with this hardware.





2 ¾" (60.3) 2 ¼" (57.2) 3 ¼" (82.6) ± ¾32" (5.6)



Technical specifications are subject to change without notice

3.10 www.hettich.com

Mounting: Top

Adjustment: 7/16" (11.1 mm) vertical Door thickness: 13/8" (34.9 mm) min.

Headroom: 3 1/32" (77 mm) min., 3 15/32" (88.1 mm) max.

Application: Single, bi-parting & by-passing

# Top Line Grant 500 Series door hardware is available in hardware sets and standard track lengths up to 16' (4800 mm)

### Option I

Hardware set only

# **Top Line Grant 500 Series hardware set** (without track)

The hardware set includes:

- 2 carriers 500 series with precision ball bearing wheels
- 2 quick release top plates with adjustable pendant bolts
- 1 endstop catch
- 1 floor guide 7015

necessary screws (top plate and floor guide) installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 404 4 | 10 sets |

# Top Line Grant 500 Series hardware set contains:

# Carrier 500 with quick release top plate

Steel, four precision bearing wheels, with adjustable pendant bolt and top plate with quick release feature, self-leveling





#### **Endstop Catch 500 Series**

Aluminum endstop with spring catch, easily fits into aluminum track, adjustable, holds system in position, lock in position with standard 1/4" allen wrench





# Floor guide 7015

zinc diecast

| Pcs |   |     |
|-----|---|-----|
| 1   | - | pcs |



# Screw pack

Contains necessary screws for floor guide and top plate

| Pcs |   |     |
|-----|---|-----|
| 1   | - | set |

# Option II

Track only



| Length        | Order no. | PU |
|---------------|-----------|----|
| 6' (1800 mm)  | 113 403 9 | 1  |
| 8' (2400 mm)  | 113 404 0 | 1  |
| 10' (3000 mm) | 113 404 1 | 1  |
| 12' (3600 mm) | 113 404 2 | 1  |
| 16' (4800 mm) | 113 404 3 | 1  |
|               |           |    |

Each track length packed in a heavy duty tube with necessary screws Track lengths over 16' are available on request

# Optional parts

# **Endstop Catch 500 Series**

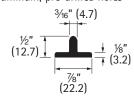
Aluminum endstop with spring catch



| Article       | Order no. | PU |
|---------------|-----------|----|
| Endstop Catch | 113 407 6 | 10 |

# Continuous floor guide 2014

Aluminum, pre-drilled holes





| Length        | Order no. | PU |
|---------------|-----------|----|
| 6' (1800 mm)  | 050 448   | 5  |
| 8' (2400 mm)  | 050 449   | 5  |
| 10' (3000 mm) | 050 450   | 5  |
| 12' (3600 mm) | 050 451   | 5  |

Screws not included - recommend #6 Flat Head

www.grantdoorhardware.com 3.11



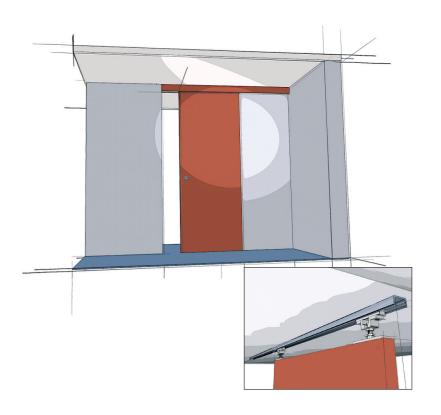


**Grant® Continuous Ball Bearing Hanger Systems** for Sliding Doors

# Top Line Grant 5150

up to 150 lbs/door (68 kg/door)

for door thickness 1" (25.4 mm) minimum, top mount, adjustable



# Top Line Grant 5150

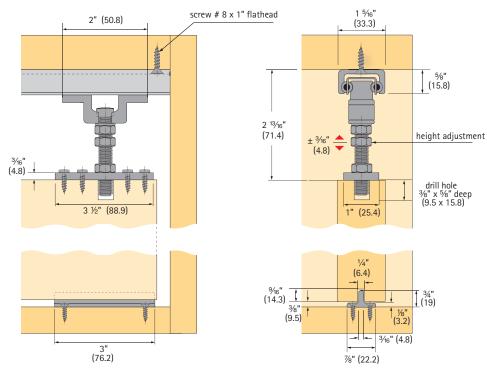
A custom made continuous ball bearing hanger set ideal for medium duty commercial and residential grade applications such as doors, movable walls, partitions and sliding glass doors weighing up to 150 lbs (68 kg).

A non-corrosive option is also available for exterior applications.

Each set is individually made to your specifications. Custom components are hand-milled to proper dimensions and completely inspected before leaving the factory.

- Continuous ball bearing action makes doors, walls and partitions easy to operate, so smooth and safe that architects have been specifying for years.
- Exclusive ball retainer; the use of continuous ball bearings results in unsurpassed smoothness and perfection in operation.
- Vertical adjustment
- Non-corrosive sets are available upon request.
- Meets and/or exceeds ANSI/BHMA standards
- Made in USA

The 5150 Hanger system is designed for one door per system, for by-passing door applications mount two systems in parallel, and for bi-parting applications mount two systems end to end.



Technical specifications are subject to change without notice

4.2 www.hettich.com

Mounting: Top

Adjustment: %" (9.5 mm) vertical Door thickness: 1" (25.4 mm) min.

Headroom: 2 5%" (66.7 mm) min., 3" (76.2 mm) max.

Application: Single door per system, by-passing mount parallel tracks, bi-parting mount end to end

# Important ordering information for series 5150



# 1. Hardware set includes:

- track with ball bearings
- door hangers
- heavy duty rubber bumper stop, 3/8" (9.5 mm) diameter
- floor guide 7015
- screws
- installation instructions

# 2. Order information requirements:

- door thickness
- door width (not track length or opening width)
- door travel (desired net door travel not total track length)
- door weight
- internal or external application
- type of application (pocket, bi-parting, by-passing etc.)

# Material:

Standard, Interior applications: aluminum

Non-corrosive, Exterior applications: aluminum with stainless steel components

Maximum length: 196" (5000 mm)

Max Door width: 96" (2400 mm)

Maximum Load Capacity - Interior: 150 lbs (68 kg)/door Maximum Load Capacity - Exterior: 150 lbs (68 kg)/door Series 5150 hardware sets are **by special order only.**Upon ordering we will generate a drawing for your review and signature. Because each and every hanger system is custom made for your particular opening, upon receipt of purchase order the door

set(s) are non-cancellable and non-returnable.

### Note:

In order for each custom track to operate correctly, it is important that track is not altered in the field.

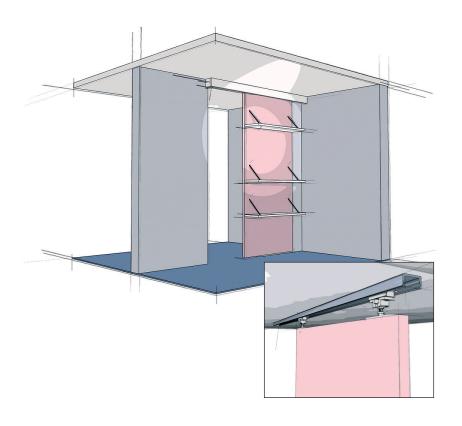
Please contact customer service to initiate order request.

www.grantdoorhardware.com 4.3

# Top Line Grant 5300

up to 1000 lbs/door (454 kg/door)

for door thickness 1" (25.4 mm) minimum, top mount, adjustable



# Top Line Grant 5300

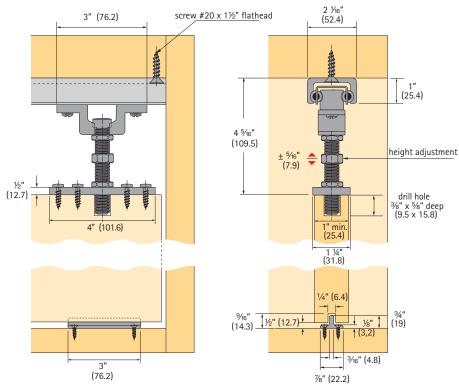
A custom made continuous ball bearing hanger set ideal for heavy and super heavy duty commercial and residential grade applications such as doors, movable walls, partitions and sliding glass doors weighing up to 1000 lbs (454 kg).

A non-corrosive version for exterior applications is also available for doors weighing up to 500 lbs (227 kg)

Each set is individually made to your specifications. Custom components are hand-milled to proper dimensions and completely inspected before leaving the factory.

- Continuous ball bearing action makes doors, walls and partitions easy to operate, so smooth and safe that architects have been specifying for years.
- Exclusive ball retainer; the use of continuous ball bearings results in unsurpassed smoothness and perfection in operation.
- · Vertical adjustment
- Non-corrosive sets available upon request.
- Meets and/or exceeds ANSI/BHMA standards
- Made in USA

The 5300 Hanger system is designed for one door per system, for by-passing door applications mount two systems in parallel, and for bi-parting applications mount two systems end to end.



Technical specifications are subject to change without notice

4.4 www.hettich.com

Mounting: Top

Adjustment: 5/8" (15.9 mm) vertical Door thickness: 1" (25.4 mm) min.

Headroom: 4" (101.6 mm) min., 4 %" (117.5 mm) max

Application: Single door per system, by-passing mount parallel tracks, bi-parting mount end to end

# Important ordering information for series 5300



# 1. Hardware set includes:

- track with ball bearings
- door hangers
- heavy duty rubber bumper stop, 7/8" (22.2 mm) diameter
- floor guide 7015
- screws
- installation instructions

# 2. Order information requirements:

- door thickness
- door width (not track length or opening width)
- door travel (desired net door travel not total track length)
- door weight
- internal or external application
- type of application (pocket, bi-parting, by-passing etc.)

# Material:

Standard, Interior applications: aluminum

Non-corrosive, Exterior applications: aluminum with stainless steel components

Maximum length: 384" (9800 mm)
Max Door width: 192" (4800 mm)

Maximum Load Capacity - Interior: 1000 lbs (454 kg)/door Maximum Load Capacity - Exterior: 500 lbs (227 kg)/door

Series 5300 hardware sets are **by special order only.**Upon ordering we will generate a drawing for your review and sig-

nature. Because each and every hanger system is custom made for your particular opening, upon receipt of purchase order the door set(s) are non-cancellable and non-returnable.

# Note:

In order for each custom track to operate correctly, it is important that track is not altered in the field.

Please contact customer service to initiate order request.

www.grantdoorhardware.com 4.5

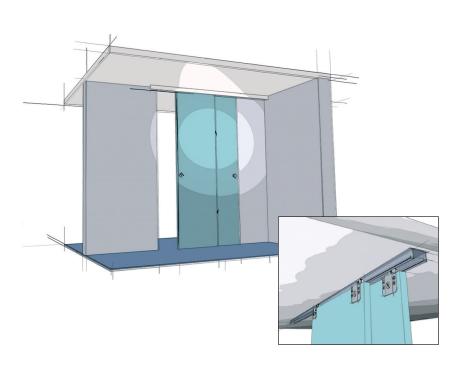




Grant® By-Pass Door Sets for Sliding Doors

# Top Line Grant 6034

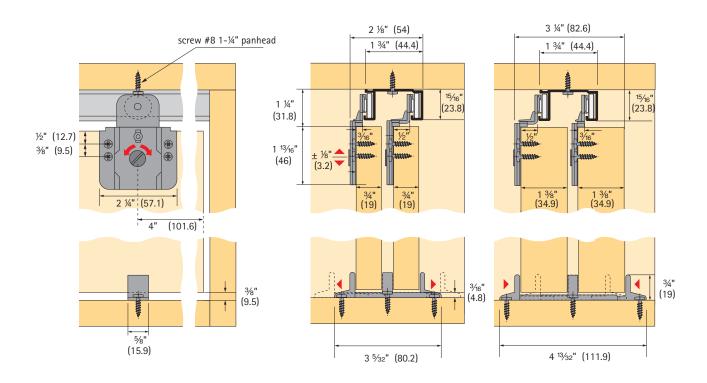
up to 50 lbs/door (23 kg/door), for door thickness 3/4" (19 mm) and 1 3/8" (34.9 mm), side mount, adjustable



# Top Line Grant 6034

A medium duty sliding door hardware series for by-passing installations. Applications include doors between rooms, closet doors, cabinets, storage walls, and partitions.

- For ¾" and 1 ¾" doors weighing up to 50 lbs/door (23 kg/door)
- Ball-bearing wheels ensure a smooth, quiet and long lasting performance.
- Dual set of mounting holes; ideal for hollow core doors
- Easy-turn cam vertical adjustment
- Dust free track design
- Quick door hanging by tilting pre-mounted hardware onto track profile
- Floor guide required
- Made in USA



Technical specifications are subject to change without notice

**5.2** www.hettich.com

Mounting: Side

Adjustment: ¼" (6.4 mm) vertical

Door thickness: 3/4" (19 mm) or 1 3/8" (34.9 mm)

Headroom: 1 1/8" (28.6 mm) min., 1 3/8" (34.9 mm) max.

Application: By-passing

#### Top Line Grant 6034 door hardware is available in four purchasing options

#### Option I

Complete package: includes track, hardware set, and all screws

#### Hardware and track

| Length       | Order no. | PU      |
|--------------|-----------|---------|
| 4' (1200 mm) | 113 331 8 | 10 sets |
| 5' (1500 mm) | 113 331 9 | 10 sets |
| 6' (1800 mm) | 113 332 0 | 10 sets |
| 8' (2400 mm) | 113 332 1 | 10 sets |

For longer track application order hardware set and track separately

# Option II

Track only

#### Double track 6004

Aluminum extruded, pre-drilled holes



| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 466   | 5  |
| 5' (1500 mm)  | 050 467   | 5  |
| 6' (1800 mm)  | 050 468   | 5  |
| 8' (2400 mm)  | 050 469   | 5  |
| 10' (3000 mm) | 050 470   | 5  |
| 12' (3600 mm) | 050 471   | 5  |
| 16' (4800 mm) | 050 472   | 5  |

Screws not included - recommend #8 Pan Head

## Option III

Hardware set only

### Top Line Grant 6034 hardware set

(without track)

The hardware set includes:

- 2 carriers 6320 ball bearing wheel
- 2 carriers 6330 ball bearing wheel
- 1 floor guide 114

necessary screws and installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 331 7 | 10 sets |

#### Option IV

Separate components

## Top Line Grant 6034 components Carrier 6320

Steel, single wheel, 3/16" offset, side mounting, adjustable, ball bearing wheel, dual mounting holes

Screws included



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 113 333 3 | 50 |

#### Carrier 6330

Steel, single wheel, ½" offset, side mounting, adjustable, ball bearing wheel, dual mounting holes

Screws included



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 113 333 4 | 50 |

### Floor guide 114

Nylon, adjustable for 3/4" to 13/8" doors

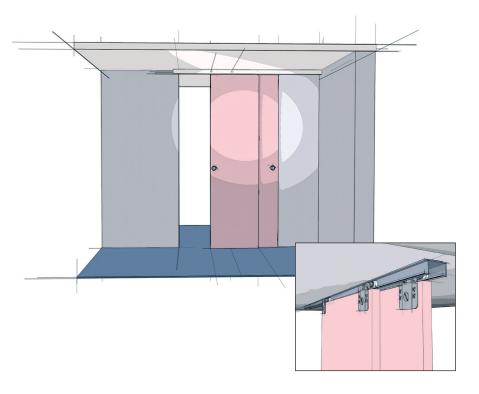
Screws included



| Finish | Order no. | PU |
|--------|-----------|----|
| N/A    | 050 102   | 50 |

# Top Line Grant 6064

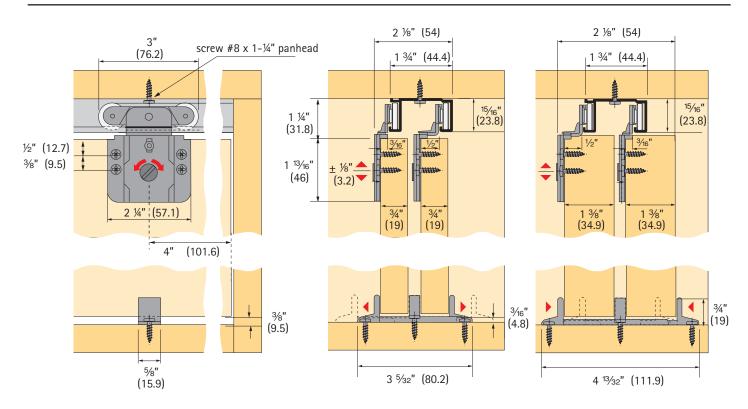
up to 75 lbs/door (34 kg/door), for door thickness 3/4" (19 mm) and 1 3/8" (34.9 mm), side mount, adjustable



#### Top Line Grant 6064

A medium duty sliding door hardware series for by-passing installations. Applications include doors between rooms, closet doors, cabinets, storage walls and partitions.

- For ¾" and 1 ¾s" doors weighing up to 75 lbs/door (34 kg/door)
- Ball-bearing wheels ensure a smooth, quiet and long lasting performance.
- Dual set of mounting holes; ideal for hollow core doors
- Easy-turn cam vertical adjustment
- Pivoting rocker arms ensure track-carrier contact.
- Dust free track design
- Quick door hanging by tilting pre-mounted hardware onto track profile
- Floor guide required
- Made in USA



Technical specifications are subject to change without notice

5.4 www.hettich.com

Mounting: Side

Adjustment: 1/4" (6.4 mm) vertical

Door thickness: 34" (19 mm) or 1 3/8" (34.9 mm)

1 1/8" (28.6 mm) min., 1 3/8" (34.9 mm) max. Headroom:

Application: By-passing

#### Top Line Grant 6064 door hardware is available in four purchasing options

Complete package: includes track, hardware set, and all screws

#### Hardware and track

| Length       | Order no. | PU      |
|--------------|-----------|---------|
| 4' (1200 mm) | 113 332 6 | 10 sets |
| 5' (1500 mm) | 113 332 7 | 10 sets |
| 6' (1800 mm) | 113 332 8 | 10 sets |
| 8' (2400 mm) | 113 332 9 | 10 sets |

For longer track application order hardware set and track separately

## Option II

Track only

#### Double track 6004

Aluminum extruded, pre-drilled holes



| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 466   | 5  |
| 5' (1500 mm)  | 050 467   | 5  |
| 6' (1800 mm)  | 050 468   | 5  |
| 8' (2400 mm)  | 050 469   | 5  |
| 10' (3000 mm) | 050 470   | 5  |
| 12' (3600 mm) | 050 471   | 5  |
| 16' (4800 mm) | 050 472   | 5  |

Screws not included - recommend #8 Pan Head

# Option III

Hardware set only

# Top Line Grant 6064 hardware set

(without track)

The hardware set includes:

- 2 carriers 6350 ball-bearing wheels
- 2 carriers 6360 ball-bearing wheels
- 1 floor guide 114

necessary screws and installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 332 5 | 10 sets |

#### Option IV

Separate components

#### Top Line Grant 6064 components

#### Carrier 6350

Steel, double wheel, 3/16" offset, side mounting, adjustable, ball bearing wheels, dual mounting holes



#### Carrier 6360

Steel, double wheel, 1/2" offset, side mounting, adjustable, ball bearing wheels, dual mounting holes

Screws included



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 113 333 7 | 50 |

## Floor guide 114

Nylon, adjustable for 34" to 136" doors

Screws included

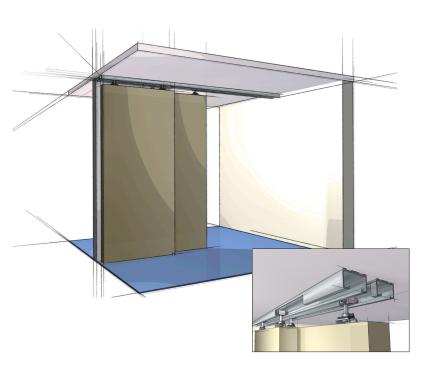


| Finish | Order no. | PU |
|--------|-----------|----|
| N/A    | 050 102   | 50 |

# Grant 75E By-pass

up to 75 lbs/door (34 kg/door)

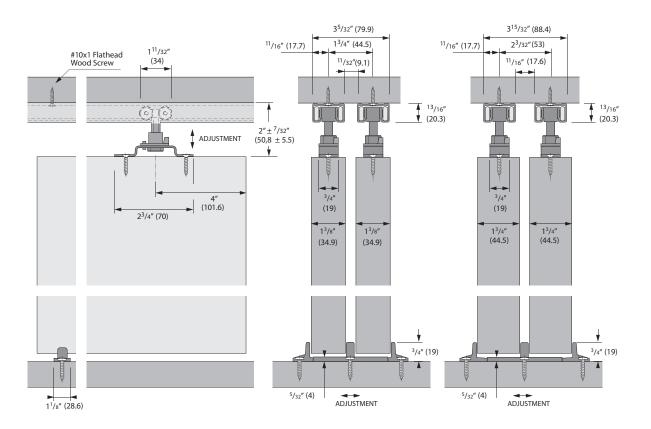
for door thickness 1 3/8" (34.9 mm) and 1 3/4" (44.4 mm), top mount, adjustable



### Grant 75E By-pass

The Grant 75E Series is a medium duty commercial and residential grade sliding door hardware series for by-passing installations. Applications include doors between rooms, closet doors, cabinets, storage walls, and partitions.

- Precision ball bearing wheels ensure a smooth, quiet, and long lasting performance
- Pre-drilled aluminum box track hides the hardware
- Quick release mechanism for easy door installation and adjustment
- 7/16" (12.7 mm) vertical adjustment; minimal headroom required
- Track is available in lengths up to 16' (4800 mm)
- Flexible system 75E tracks and carriers also used in Bi-fold 50 series
- Bi-parting applications achieved by adding an additional 75E Hardware set
- Meets and/or exceeds ANSI/BHMA standards



Technical specifications are subject to change without notice

5.5.1 www.hettich.com

Mounting: Top

Adjustment: 7/16" (11.1 mm) vertical

Door thickness: 1 %" (34.9 mm) and 1 %" (44.4 mm)

Headroom: 1 <sup>25</sup>/<sub>32</sub>" (45.2 mm) min., 2 <sup>7</sup>/<sub>32</sub>" (56.4 mm) max.

Application: By-passing

#### Grant 75E By-pass Series door hardware is available in four purchasing options

#### Option I - Complete package

Includes two- mill finish pre-cut tracks, one- By-pass hardware set, all necessary screws, and installation instructions

#### By-pass Hardware and track set

| Length       | Order no. | PU     |
|--------------|-----------|--------|
| 4' (1200 mm) | 113 534 1 | 5 sets |
| 5' (1500 mm) | 113 534 2 | 5 sets |
| 6' (1800 mm) | 113 534 3 | 5 sets |
| 8' (2400 mm) | 113 534 4 | 5 sets |

For longer track application order hardware set and track separately

# Option II

Track only

#### Single track 50E

Aluminum extruded, pre-drilled holes



| Length        | Order no. | PU   |
|---------------|-----------|------|
| 3' (914 mm)   | 113 440 6 | each |
| 4' (1200 mm)  | 113 439 9 | each |
| 5' (1500 mm)  | 113 440 0 | each |
| 6' (1800 mm)  | 113 440 1 | each |
| 8' (2400 mm)  | 113 440 2 | each |
| 10' (3000 mm) | 113 440 3 | each |
| 12' (3600 mm) | 113 440 4 | each |
| 16' (4800 mm) | 113 440 5 | each |

Screws not included - recommend #10 Flat Head

#### Option III

Hardware set only

#### Grant 75E By-pass hardware set

(without track)

The hardware set includes:

- 4 carriers 50E with precision ball bearing wheels
- 4 quick release top plates
- 1 adjustable floor guide 114 necessary screws

installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 533 5 | 10 sets |

#### Option IV

Separate components

### Grant 75E components

### Carrier 50E with quick release top plate

Four precision ball bearing wheels, adjustable

Screws included



| Article     | Order no. | PU |
|-------------|-----------|----|
| Carrier 50E | 113 432 2 | 10 |

#### Floor Guide 114

Nylon, adjustable for doors 34" to 1 34" (19 to 44.4 mm), for by-passing door installations, screws included

Dimensions: 3" x 1 1/8" (76.2 x 28.6 mm)



| Finish          | Order no. | PU |
|-----------------|-----------|----|
| Floor guide 114 | 050 102   | 50 |

# Grant 150E By-pass

up to 150 lbs/door (68 kg/door)

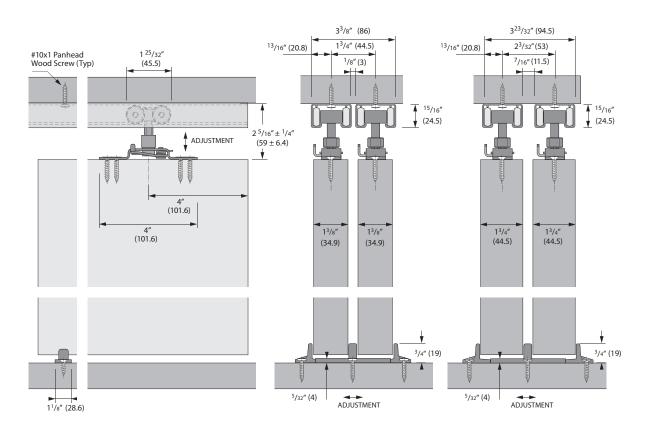
for door thickness 1 3/8" (34.9 mm) and 1 3/4 " (44.4 mm), top mount, adjustable



### Grant 150E By-pass

The Grant 150E Series is a medium duty commercial and residential grade sliding door hardware series for by-passing installations. Applications include doors between rooms, closet doors, cabinets, storage walls, and partitions.

- Precision ball bearing wheels ensure a smooth, quiet, and long lasting performance
- Pre-drilled aluminum box track hides the hardware
- Spring loaded quick release mechanism for easy door installation and adjustment
- ½" (11.1 mm) vertical adjustment; minimal headroom required
- Track is available in lengths up to 16' (4800 mm)
- Flexible system 150E tracks and carriers also used in Bi-fold/Multi-fold 150 series
- Bi-parting applications achieved by adding an additional 150E Hardware set
- Meets and/or exceeds ANSI/BHMA standards



Technical specifications are subject to change without notice

5.5.3 www.hettich.com

Mounting: Top

Adjustment: ½" (12.7 mm) vertical

Door thickness: 1 %" (34.9 mm) and 1 ¾" (44.4 mm)
Headroom: 2 ½6" (52.4 mm) min., 2 ½6" (65.1 mm) max.

Application: By-passing

#### Grant 150E By-pass Series door hardware is available in four purchasing options

#### Option I - Complete package

Includes two- mill finish pre-cut tracks, one- By-pass hardware set, all necessary screws, and installation instructions

### By-pass Hardware and track set

| Order no. | PU                                  |
|-----------|-------------------------------------|
| 113 535 3 | 5 sets                              |
| 113 535 4 | 5 sets                              |
| 113 535 5 | 5 sets                              |
| 113 535 6 | 5 sets                              |
|           | 113 535 3<br>113 535 4<br>113 535 5 |

For longer track application order hardware set and track separately

## Option II Track only

#### Single track 150E

Aluminum extruded, pre-drilled holes



| Length        | Order no. | PU   |
|---------------|-----------|------|
| 4' (1200 mm)  | 113 443 1 | each |
| 5' (1500 mm)  | 113 443 2 | each |
| 6' (1800 mm)  | 113 443 3 | each |
| 8' (2400 mm)  | 113 443 4 | each |
| 10' (3000 mm) | 113 443 5 | each |
| 12' (3600 mm) | 113 443 6 | each |
| 16' (4800 mm) | 113 443 7 | each |
|               |           |      |

Screws not included - recommend #10 Pan Head

### Option III

Hardware set only

# Grant 150E By-pass hardware set

(without track)

The hardware set includes:

- 4 carriers 150E with precision ball bearing wheels
- 4 quick release top plates
- 1 adjustable floor guide 114 necessary screws installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 533 6 | 10 sets |

#### Option IV

Separate components

### Grant 150E components

### Carrier 150E with quick release top plate

Four precision ball bearing wheels, adjustable

Steel, spring loaded quick release

Screws included



| Article      | Order no. | PU |
|--------------|-----------|----|
| Carrier 150E | 113 516 3 | 10 |

#### Floor Guide 114

Nylon, adjustable for doors ¾" to 1 ¾" (19 to 44.4 mm), for by-passing door installations, screws included

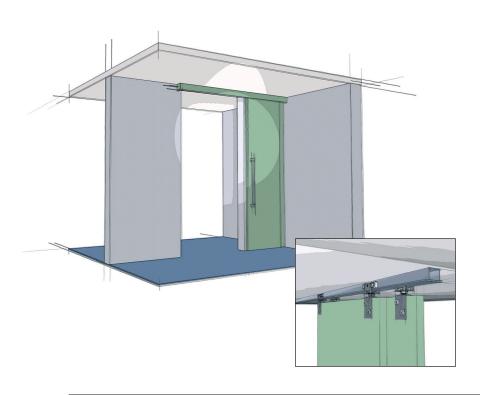
Dimensions: 3" x 1 1/8" (76.2 x 28.6 mm)



| Finish          | Order no. | PU |
|-----------------|-----------|----|
| Floor guide 114 | 050 102   | 50 |

# Top Line Grant 72-034

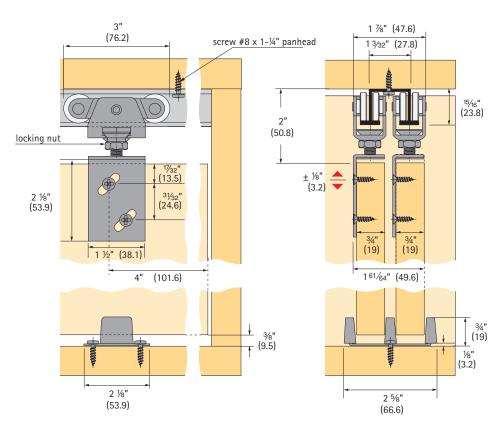
up to 150 lbs/door (68 kg/door), double track for door thickness 3/4" (19 mm), side mount, adjustable



#### Top Line Grant 72-034

A medium duty commercial and residential grade sliding door hardware series ideal for by-passing installations. Applications include doors between rooms, closet doors, cabinets, storage walls and partitions.

- For ¾" doors weighing up to 150 lbs (68 kg), optional nylon wheel carrier up to 100 lbs (45 kg)
- High quality precision ball-bearing wheels for quiet and effortless performance
- Heavy duty aluminum Double I-beam track; jump proof design
- Pivoting rocker arms ensure track-carrier contact.
- Ball and socket suspension compensates for minor header misalignment.
- Lock nut ensures permanent positioning.
- Serrations in apron permit vertical adjustment.
- Meets and/or exceeds ANSI/BHMA standards
- Made in USA



Technical specifications are subject to change without notice

**5.6** www.hettich.com

Mounting: Side

Adjustment: ¼" (6.4 mm) vertical Door thickness: ¾" (19 mm)

Headroom: 1%" (47.6 mm) min., 2%" (53.9 mm) max

Application: By-passing

#### Top Line Grant 72-034 door hardware is available in four purchasing options

#### Option I

Complete package: includes track, hardware set, and all screws

#### Hardware and track

| Length       | Order no. | PU     |
|--------------|-----------|--------|
| 4' (1200 mm) | 113 335 1 | 5 sets |
| 6' (1800 mm) | 113 335 2 | 5 sets |
| 8' (2400 mm) | 113 335 3 | 5 sets |

For longer track application order hardware set and track separately

#### Option II Track only

#### Double track 7002

Aluminum extruded, pre-drilled holes



| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 526   | 5  |
| 5' (1500 mm)  | 050 527   | 5  |
| 6' (1800 mm)  | 050 528   | 5  |
| 8' (2400 mm)  | 050 529   | 5  |
| 10' (3000 mm) | 050 530   | 5  |
| 12' (3600 mm) | 050 531   | 5  |
| 16' (4800 mm) | 050 532   | 5  |
|               |           |    |

Screws not included - recommend #8 Pan Head

Tracks 8' and under are notched at one end for easy access

### Option III

Hardware set only

# Top Line Grant 72-034 hardware set (without track)

The hardware set includes:

- 4 carriers 7000 precision ball bearing wheels
- 4 aprons 7034
- 1 floor guide 116
- 1 wrench

necessary screws installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 335 0 | 10 sets |

#### Option IV

Separate components

# Top Line Grant 72-034 components Carrier 7000 ball bearing

Steel, precision ball bearing wheels, up to 150 lbs/door (68 kg/door)



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 113 333 9 | 100 |

#### Apron 7034

Cold rolled steel, 3/4" offset, adjustable

Screws included



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 050 563   | 100 |

## Floor guide 116

Steel/Nylon

Screws included



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 103   | 50 |

## Optional parts (not included in set)

## Carrier 7000 nylon

Steel, wheel nylon, up to 100 lbs/door (45 kg/door)



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 113 333 8 | 100 |

### Bumper stop 7014

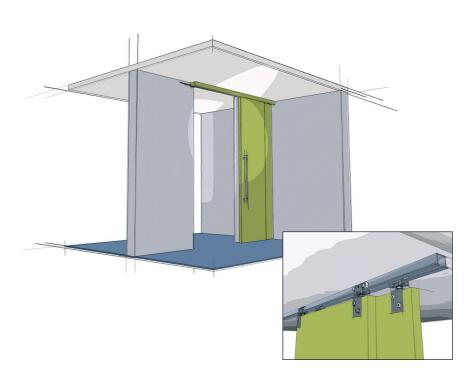
Steel, track mounted, rubber stop, 2 required per track



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 561   | 20 |

# Top Line Grant 72-118

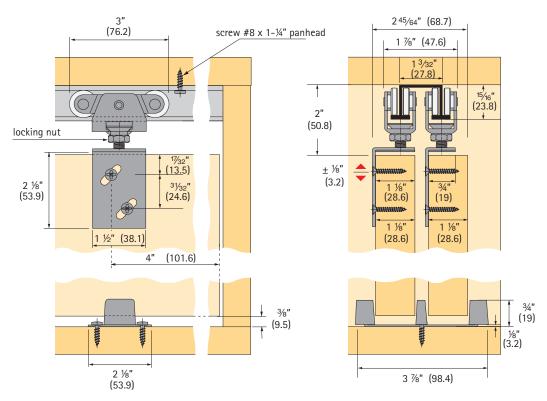
up to 150 lbs/door (68 kg/door), double track for door thickness 1 1/8" (28.6 mm), side mount, adjustable



## Top Line Grant 72-118

A medium duty commercial and residential grade sliding door hardware series ideal for by-passing installations. Applications include doors between rooms, closet doors, cabinets, storage walls, and partitions.

- For 1 ½" doors weighing up to 150 lbs (68 kg), optional nylon wheel carrier up to 100 lbs (45 kg)
- High quality precision ball-bearing wheels for quiet and effortless performance
- Heavy duty aluminum Double I-beam track; jump proof design
- Pivoting rocker arms ensure track-carrier contact.
- Ball and socket suspension compensates for minor header misalignment.
- Lock nut ensures permanent positioning.
- Serrations in apron permit vertical adjustment.
- Meets and/or exceeds ANSI/BHMA standards
- Made in USA



Technical specifications are subject to change without notice

5.8 www.hettich.com

Mounting: Side

Adjustment: ¼" (6.4 mm) vertical 11/8" (28.6 mm)

Headroom: 1%" (47.6 mm) min., 21/8" (53.9 mm) max.

Application: By-passing

#### Top Line Grant 72-118 door hardware is available in four purchasing options

#### Option I

Complete package: includes track, hardware set, and all screws

#### Hardware and track

| Length       | Order no. | PU     |
|--------------|-----------|--------|
| 4' (1200 mm) | 113 335 5 | 5 sets |
| 5' (1500 mm) | 113 335 6 | 5 sets |
| 8' (2400 mm) | 113 335 7 | 5 sets |

For longer track application order hardware set and track separately

#### Option II Track only

Double track 7002

Aluminum extruded, pre-drilled holes



| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 526   | 5  |
| 5' (1500 mm)  | 050 527   | 5  |
| 6' (1800 mm)  | 050 528   | 5  |
| 8' (2400 mm)  | 050 529   | 5  |
| 10' (3000 mm) | 050 530   | 5  |
| 12' (3600 mm) | 050 531   | 5  |
| 16' (4800 mm) | 050 532   | 5  |
|               |           |    |

Screws not included - recommend #8 Pan Head

Tracks 8' and under are notched at one end for easy access

#### Option III

Hardware set only

# Top Line Grant 72-118 hardware set (without track)

The hardware set includes:

- 4 carriers 7000 precision ball bearing wheels
- 2 aprons 7034 (front door)
- 2 aprons 7138 (rear door)
- 1 floor guide 119
- 1 wrench

necessary screws installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 335 4 | 10 sets |

#### Option IV

Separate components

# Top Line Grant 72-118 components Carrier 7000 ball bearing

Steel, precision ball bearing wheels, up to 150 lbs/door (68 kg/door)



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 113 333 9 | 100 |

#### Apron 7034/7138

Cold rolled steel, adjustable

Screws included

3/4"



| Article                   | Finish      | Order no. | PU  |
|---------------------------|-------------|-----------|-----|
| • apron 7034, 3/4" offset | zinc-plated | 050 563   | 100 |
| • apron 7138, 1/4" offset | zinc-plated | 050 565   | 100 |

## Floor guide 119

Steel/Nylon

Screws included



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 106   | 50 |

### Optional parts

# Carrier 7000 nylon

Steel, wheel nylon, up to 100 lbs/door (45 kg/door)



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 113 333 8 | 100 |

## Bumper stop 7014

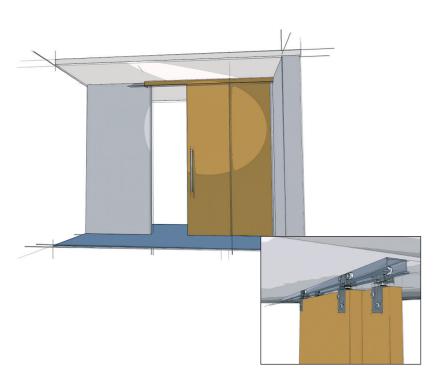
Steel, track mounted, rubber stop, 2 required per track



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 561   | 20 |

# Top Line Grant 72-138

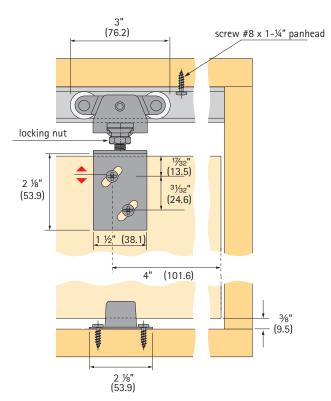
up to 150 lbs/door (68 kg/door), double track for door thickness 1 3/8" (34.9 mm), side mount, adjustable

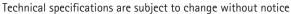


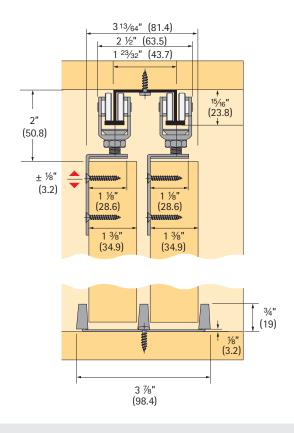
#### Top Line Grant 72-138

A medium duty commercial and residential grade sliding door hardware series ideal for by-passing installations. Applications include doors between rooms, closet doors, cabinets, storage walls, and partitions.

- For 1 <sup>3</sup>/<sub>8</sub>" doors weighing up to 150 lbs (68 kg), optional nylon wheel carrier up to 100 lbs (45 kg)
- High quality precision ball-bearing wheels for quiet and effortless performance
- Heavy duty aluminum Double I-beam track; jump proof design
- Pivoting rocker arms ensure track-carrier contact.
- Ball and socket suspension compensates for minor header misalignment.
- Lock nut ensures permanent positioning.
- Serrations in apron permit vertical adjustment.
- Meets and/or exceeds ANSI/BHMA standards
- Made in USA







5.10 www.hettich.com

Mounting: Side

Adjustment: ¼" (6.4 mm) vertical Door thickness: 1¾" (34.9 mm)

Headroom: 1%" (47.6 mm) min., 2%" (53.9 mm) max.

Application: By-passing

#### Top Line Grant 72-138 door hardware is available in four purchasing options

#### Option I

Complete package: includes track, hardware set, and all screws

#### Hardware and track

| Length       | Order no. | PU     |
|--------------|-----------|--------|
| 4' (1200 mm) | 113 336 4 | 5 sets |
| 5' (1500 mm) | 113 336 5 | 5 sets |
| 6' (1800 mm) | 113 336 6 | 5 sets |
| 8' (2400 mm) | 113 336 7 | 5 sets |

For longer track application order hardware set and track separately

#### Option II Track only

#### Double track 7003



| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 533   | 5  |
| 5' (1500 mm)  | 050 534   | 5  |
| 6' (1800 mm)  | 050 535   | 5  |
| 8' (2400 mm)  | 050 536   | 5  |
| 10' (3000 mm) | 050 537   | 5  |
| 12' (3600 mm) | 050 538   | 5  |
| 16' (4800 mm) | 050 539   | 5  |
|               |           |    |

Screws not included - recommend #8 Pan Head Tracks 8' and under are notched at one end for easy access

# Option III Hardware set only

# Top Line Grant 72-138 hardware set (without track)

The hardware set includes:

- 4 carriers 7000 precision ball bearing wheels
- 4 aprons 7138
- 1 floor guide 117
- 1 wrench

necessary screws and installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 336 3 | 10 sets |

#### Option IV

Separate components

# Top Line Grant 72-138 components Carrier 7000 ball bearing

Steel, precision ball bearing wheels, up to 150 lbs/door (68 kg/door)



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 113 333 9 | 100 |

#### Apron 7138

Cold rolled steel, adjustable, 1 1/8" offset

Screws included



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 050 565   | 100 |

## Floor guide 117

Steel/Nylon

Screws included



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 104   | 50 |

### Optional parts (not included in set)

### Carrier 7000 nylon

Steel, wheel nylon, up to 100 lbs/door (45 kg/door)



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 113 333 8 | 100 |

#### Bumper stop 7014

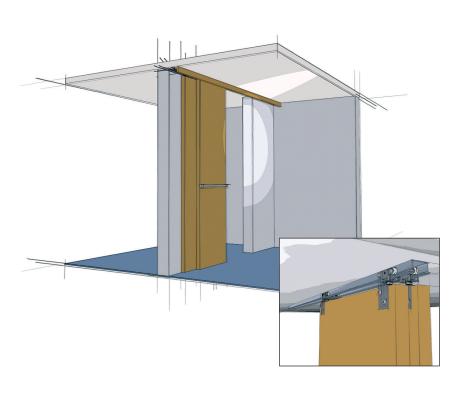
Steel, track mounted, rubber stop, 2 required per track



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 561   | 20 |

# Top Line Grant 72-134

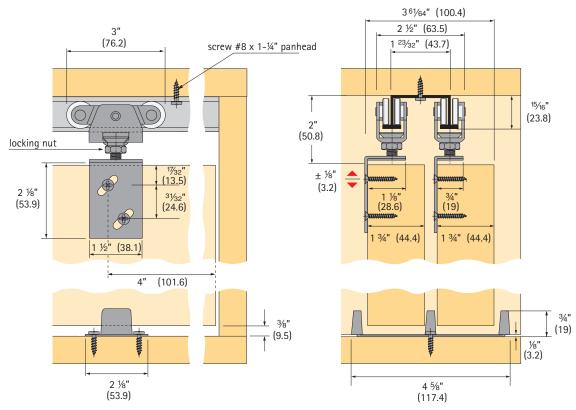
up to 150 lbs/door (68 kg/door), double track for door thickness 1 3/4" (44.4 mm), side mount, adjustable



#### Top Line Grant 72-134

A medium duty commercial and residential grade sliding door hardware series ideal for by-passing installations. Applications include doors between rooms, closet doors, cabinets, storage walls, and partitions.

- For 1 <sup>3</sup>/<sub>4</sub>" doors weighing up to 150 lbs (68 kg), optional nylon wheel carrier up to 100 lbs (45 kg)
- High quality precision ball-bearing wheels for quiet and effortless performance
- Heavy duty aluminum Double I-beam track; jump proof design
- Pivoting rocker arms ensure track-carrier contact.
- Ball and socket suspension compensates for minor header misalignment.
- Lock nut ensures permanent positioning.
- Serrations in apron permit vertical adjustment.
- Meets and/or exceeds ANSI/BHMA standards
- Made in USA



Technical specifications are subject to change without notice

5.12 www.hettich.com

Mounting: Side

Adjustment: ¼" (6.4 mm) vertical Door thickness: 1¾" (44.4 mm)

Headroom: 1%" (47.6 mm) min., 2%" (53.9 mm) max

Application: By-passing

#### Top Line Grant 72-134 door hardware is available in four purchasing options

#### Option I

Complete package, includes track, hardware set, and all screws

#### Hardware and track

| Length       | Order no. | PU     |
|--------------|-----------|--------|
| 4' (1200 mm) | 113 335 9 | 5 sets |
| 5' (1500 mm) | 113 336 0 | 5 sets |
| 6' (1800 mm) | 113 336 1 | 5 sets |
| 8' (2400 mm) | 113 336 2 | 5 sets |

For longer track application order hardware set and track separately

#### Option II Track only

#### Double track 7003



| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 533   | 5  |
| 5' (1500 mm)  | 050 534   | 5  |
| 6' (1800 mm)  | 050 535   | 5  |
| 8' (2400 mm)  | 050 536   | 5  |
| 10' (3000 mm) | 050 537   | 5  |
| 12' (3600 mm) | 050 538   | 5  |
| 16' (4800 mm) | 050 539   | 5  |
|               |           |    |

Screws not included - recommend #8 Pan Head

Tracks 8' and under are notched at one end for easy access

#### Option III

Hardware set only

# Top Line Grant 72-134 hardware set (without track)

The hardware set includes:

- 4 carriers 7000 precision ball bearing wheels
- 2 aprons 7034 (front door)
- 2 aprons 7138 (rear door)
- 1 floor guide 118
- 1 wrench

necessary screws and installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 335 8 | 10 sets |

#### Option IV

Separate components

# Top Line Grant 72-134 components

# Carrier 7000 ball bearing

Steel, precision ball bearing wheels, up to 150 lbs/door (68 kg/door)



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 113 333 9 | 100 |

#### Apron 7034/7138

Cold rolled steel, adjustable

Screws included

3/4" offset



| Article                          | Finish      | Order no. | PU  |
|----------------------------------|-------------|-----------|-----|
| <b>1</b> apron 7034, 3/4" offset | zinc-plated | 050 563   | 100 |
| 2 apron 7138, 11/8" offset       | zinc-plated | 050 565   | 100 |

# Floor guide 118

Steel/Nylon

Screws included



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 105   | 50 |

## Optional parts (not included in set)

### Carrier 7000 nylon

Steel, wheel nylon, up to 100 lbs/door (45 kg/door)



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 113 333 8 | 100 |

### Bumper stop 7014

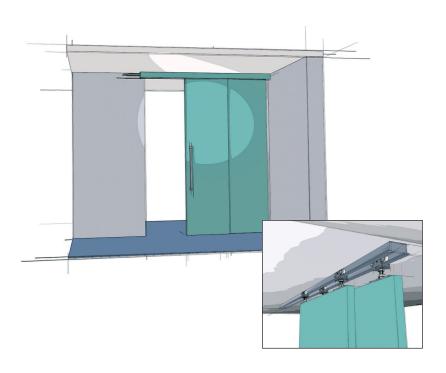
Steel, track mounted, rubber stop, 2 required per track



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 561   | 20 |

# Top Line Grant 72-222

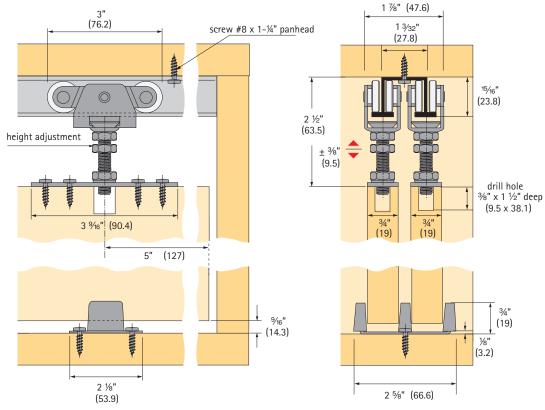
up to 150 lbs/door (68 kg/door), double track for door thickness <sup>3</sup>/<sub>4</sub>" (19 mm), top mount, adjustable



#### Top Line Grant 72-222

A medium duty commercial and residential grade sliding door hardware series ideal for by-passing installations. Applications include doors between rooms, closet doors, cabinets, storage walls and partitions.

- For ¾" doors weighing up to 150 lbs (68 kg), optional nylon wheel carrier up to 100 lbs (45 kg)
- High quality precision ball-bearing wheels for quiet and effortless performance
- Heavy duty aluminum Double I-beam track; jump proof design
- Pivoting rocker arms ensure track-carrier contact.
- Ball and socket suspension compensates for minor header misalignment.
- Lock nut ensures permanent positioning.
- Vertical adjustment ¾" (19.1 mm)
- Meets and/or exceeds ANSI/BHMA standards
- Made in USA



Technical specifications are subject to change without notice

5.14 www.hettich.com

Mounting: Top

Adjustment: 3/4" (19.1 mm) vertical

Door thickness: 3/4" (19 mm)

Headroom: 21/8" (53.9 mm) min., 27/8" (73 mm) max.

Application: By-passing

#### Top Line Grant 72-222 door hardware is available in four purchasing options

#### Option I

Complete package: includes track, hardware set, and all screws

#### Hardware and track

| Length       | Order no. | PU     |
|--------------|-----------|--------|
| 4' (1200 mm) | 113 336 9 | 5 sets |
| 5' (1500 mm) | 113 337 0 | 5 sets |
| 6' (1800 mm) | 113 337 1 | 5 sets |
| 8' (2400 mm) | 113 337 2 | 5 sets |

For longer track application order hardware set and track separately

# Option II

Track only

### Double track 7002

Aluminum extruded, pre-drilled holes



| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 526   | 5  |
| 5' (1500 mm)  | 050 527   | 5  |
| 6' (1800 mm)  | 050 528   | 5  |
| 8' (2400 mm)  | 050 529   | 5  |
| 10' (3000 mm) | 050 530   | 5  |
| 12' (3600 mm) | 050 531   | 5  |
| 16' (4800 mm) | 050 532   | 5  |
|               |           |    |

Screws not included - recommend #8 Pan Head Tracks 8' and under are notched at one end for easy access

### Option III

Hardware set only

# Top Line Grant 72-222 hardware set (without track)

The hardware set includes:

- 4 carriers 7000 precision ball bearing wheels
- 4 top plates 7222
- 1 floor guide 116
- 1 wrench

necessary screws installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 336 8 | 10 sets |

#### Option IV

Separate components

# Top Line Grant 72-222 components Carrier 7000 ball bearing

Steel, precision ball bearing wheels, up to 150 lbs/door (68 kg/door)



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 113 333 9 | 100 |

#### Top plate 7222

with pendant bolt, steel, adjustable

Screws included



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 050 566   | 100 |

#### Floor guide 116

Steel/Nylon

Screws included



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 103   | 50 |

## Optional parts (not included in set)

#### Carrier 7000 nylon

Steel, wheel nylon, up to 100 lbs/door (45 kg/door)



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 113 333 8 | 100 |

#### Bumper stop 7014

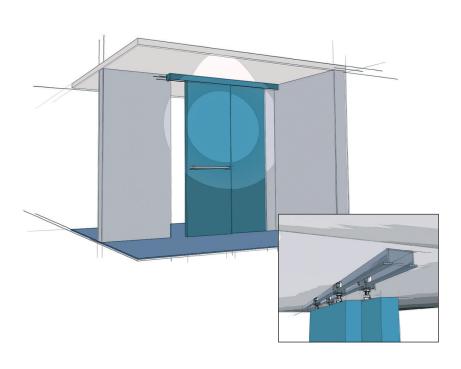
Steel, track mounted, rubber stop, 2 required per track



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 561   | 20 |

# Top Line Grant 72-223

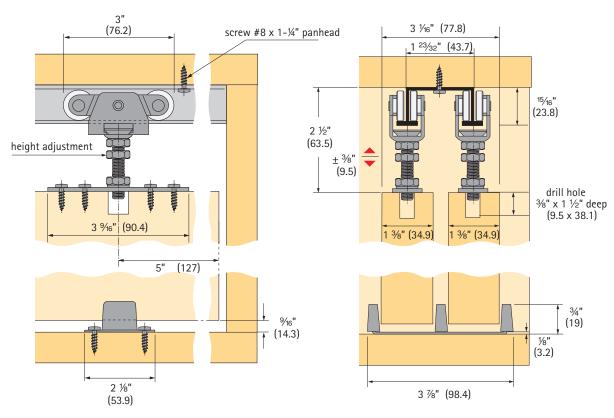
up to 150 lbs/door (68 kg/door), double track for door thickness 1 3/8" (34.9 mm), top mount, adjustable



#### Top Line Grant 72-223

A medium duty commercial and residential grade sliding door hardware series ideal for by-passing installations. Applications include doors between rooms, closet doors, cabinets, storage walls and partitions.

- For 1 <sup>3</sup>/<sub>8</sub>" doors weighing up to 150 lbs (68 kg), optional nylon wheel carrier up to 100 lbs (45 kg)
- High quality precision ball-bearing wheels for quiet and effortless performance
- Heavy duty aluminum Double I-beam track; jump proof design
- Pivoting rocker arms ensure track-carrier contact.
- Ball and socket suspension compensates for minor header misalignment.
- Lock nut ensures permanent positioning.
- Vertical adjustment ¾" (19.1 mm)
- Meets and/or exceeds ANSI/BHMA standards
- Made in USA



Technical specifications are subject to change without notice

5.16 www.hettich.com

Mounting: Top

Adjustment: 34" (19.1 mm) vertical Door thickness: 138" (34.9 mm)

Headroom: 21/8" (53.9 mm) min., 27/8" (73 mm) max.

Application: By-passing

#### Top Line Grant 72-223 door hardware is available in four purchasing options

#### Option I

Complete package, includes track, hardware set, and all screws

#### Hardware and track

| Length       | Order no. | PU     |
|--------------|-----------|--------|
| 4' (1200 mm) | 113 337 4 | 5 sets |
| 5' (1500 mm) | 113 337 5 | 5 sets |
| 6' (1800 mm) | 113 337 6 | 5 sets |
| 8' (2400 mm) | 113 337 7 | 5 sets |

For longer track application order hardware set and track separately

# Option II

Track only



| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 533   | 5  |
| 5' (1500 mm)  | 050 534   | 5  |
| 6' (1800 mm)  | 050 535   | 5  |
| 8' (2400 mm)  | 050 536   | 5  |
| 10' (3000 mm) | 050 537   | 5  |
| 12' (3600 mm) | 050 538   | 5  |
| 16' (4800 mm) | 050 539   | 5  |
|               |           |    |

Screws not included - recommend #8 Pan Head

Tracks 8' and under are notched at one end for easy access

#### Option III

Hardware set only

# Top Line Grant 72-223 hardware set

(without track)

The hardware set includes:

- 4 carriers 7000 precision ball bearing wheels
- 4 top plates 7222
- 1 floor guide 117
- 1 wrench

necessary screws and installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 337 3 | 10 sets |

#### Option IV

Separate components

# Top Line Grant 72-223 components Carrier 7000 ball bearing

Steel, precision ball bearing wheels, up to 150 lbs/door (68 kg/door)



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 113 333 9 | 100 |

### Top plate 7222

with pendant bolt, steel, adjustable

Screws included



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 050 566   | 100 |

### Floor guide 117

Steel/Nylon

Screws included



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 104   | 50 |

## Optional parts (not included in set)

### Carrier 7000 nylon

Steel, wheel nylon, up to 100 lbs/door (45 kg/door)



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 113 333 8 | 100 |

#### Bumper stop 7014

Steel, track mounted, rubber stop, 2 required per track



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 561   | 20 |

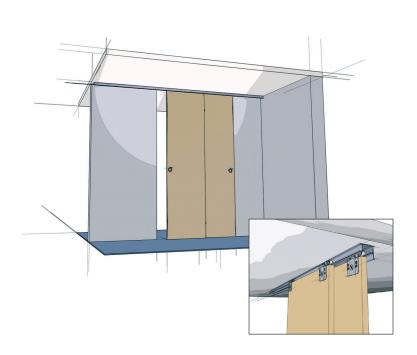




Grant® By-Pass Door Sets with Fascia for Sliding Doors

# Top Line Grant 6065

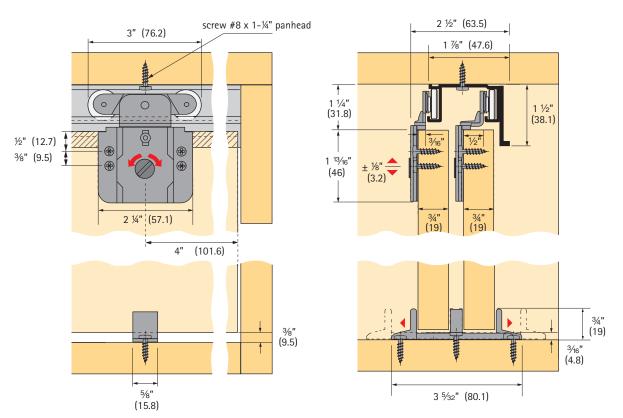
up to 75 lbs/door (34 kg/door), double track with fascia, for door thickness 3/4" (19 mm), side mount, adjustable



#### Top Line Grant 6065

A medium duty sliding door hardware series with fascia track for by-passing installations. Applications include doors between rooms, closet doors, cabinets, storage walls and partitions.

- For <sup>3</sup>/<sub>4</sub>" doors weighing up to 75 lbs/door (34 kg/door)
- Ball-bearing wheels ensure a smooth, quiet and long lasting performance.
- Dual set of mounting holes; ideal for hollow core doors
- Aluminum track with 1½" fascia, decorative anodized finish
- · Easy-turn cam vertical adjustment
- Pivoting rocker arms ensure track-carrier contact.
- Dust free track design
- Quick door hanging by tilting pre-mounted hardware onto track profile
- Floor guide required
- Made in USA



Technical specifications are subject to change without notice

**6.2** www.hettich.com

Mounting: Side

Adjustment: ¼" (6.4 mm) vertical Door thickness: ¾" (19 mm)

Headroom: 11/8" (28.6 mm) min., 13/8" (34.9 mm) max.

Application: By-passing

#### Top Line Grant 6065 door hardware is available in four purchasing options

#### Option I

Complete package: includes track, hardware set, and all screws

| Length       | Order no. | PU      |
|--------------|-----------|---------|
| 4' (1200 mm) | 113 333 0 | 10 sets |
| 6' (1800 mm) | 113 333 1 | 10 sets |

For longer track application order hardware set and track separately

#### Option II Track only

## Double track with fascia 6005

Aluminum extruded, pre-drilled holes



| Length        | Order no. | PU |
|---------------|-----------|----|
| 8' (2400 mm)  | 050 475   | 5  |
| 12' (3600 mm) | 050 477   | 5  |

Screws not included - recommend #8 Pan Head

#### Option III

Hardware set only

# Top Line Grant 6064 hardware set

(without track)

The hardware set includes:

- 2 carriers 6350 ball bearing wheels
- 2 carriers 6360 ball bearing wheels
- 1 floor guide 114 necessary screws installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 332 5 | 10 sets |

### Option IV

Separate components

# Top Line Grant 6065 components Carrier 6350

Steel, double wheel, %6" offset, side mounting, adjustable, ball bearing wheels, dual mounting holes

Screws included



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 113 333 6 | 50 |

#### Carrier 6360

Steel, double wheel, ½" offset, side mounting, adjustable, ball bearing wheels, dual mounting holes

Screws included



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 113 333 7 | 50 |

### Floor guide 114

Nylon

Adjustable for 3/4" to 1 3/8" doors

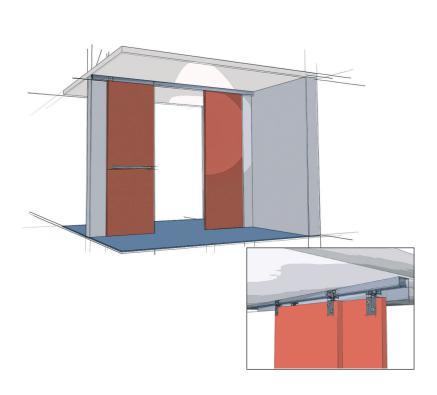
Screws included



| Finish | Order no. | PU |
|--------|-----------|----|
| N/A    | 050 102   | 50 |

# Top Line Grant 73-034

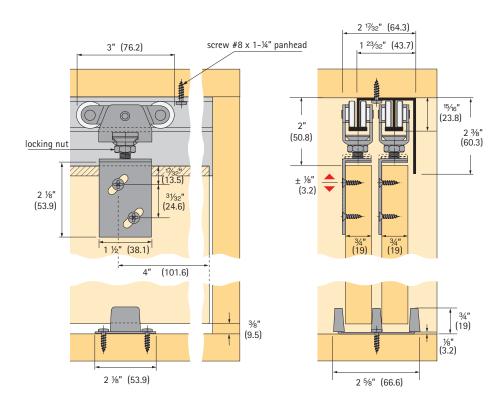
up to 150 lbs/door (68 kg/door), double track with fascia, for door thickness 3/4" (19 mm), side mount, adjustable



#### Top Line Grant 73-034

A medium duty commercial and residential grade sliding door hardware series with fascia that is ideal for by-passing installations. Applications include doors between rooms, closet doors, cabinets, storage walls and partitions.

- For ¾" doors weighing up to 150 lbs (68 kg), optional nylon wheel carrier up to 100 lbs (45 kg)
- Precision ball-bearing wheels ensure a smooth, quiet and long lasting performance.
- Heavy duty aluminum Double I-beam track; jump proof design
- Track with 2 %" fascia, decorative anodized finish
- Pivoting rocker arms ensure track-carrier contact.
- Ball and socket suspension compensates for minor header misalignment.
- · Lock nut ensures permanent positioning.
- Serrations in apron permit vertical adjustment.
- Meets and/or exceeds ANSI/BHMA standards
- Made in USA



Technical specifications are subject to change without notice

6.4 www.hettich.com

Mounting: Side

Adjustment: ¼" (6.4 mm) vertical

Door thickness: 3/4" (19 mm)

Headroom: 1%" (47.6 mm), 21/8" (53.9 mm) max.

Application: By-passing

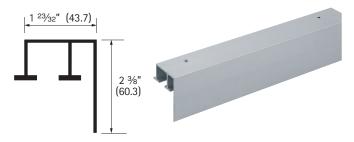
#### Top Line Grant 73-034 door hardware is available in three purchasing options (not available in sets)

## Option I

Track only

#### Double track with fascia 7004

Aluminum extruded, pre-drilled holes



| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 540   | 5  |
| 5' (1500 mm)  | 050 541   | 5  |
| 6' (1800 mm)  | 050 542   | 5  |
| 8' (2400 mm)  | 050 543   | 5  |
| 10' (3000 mm) | 050 544   | 5  |
| 12' (3600 mm) | 050 545   | 5  |
| 16' (4800 mm) | 050 546   | 5  |
|               |           |    |

Screws not included – recommend #8 Pan Head Tracks 8' and under are notched at one end for easy access

#### Option II

Hardware set only

# Top Line Grant 72-034 hardware set

(without track)

The hardware set includes:

- 4 carriers 7000 precision ball bearing wheels
- 4 aprons 7034
- 1 floor guide 116
- 1 wrench

necessary screws and installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 335 0 | 10 sets |

#### Option III

Separate components

# Top Line Grant 73-034 components Carrier 7000 ball bearing

Steel, precision ball bearing wheels, up to 150 lbs/door (68 kg/door)



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 113 333 9 | 100 |

#### Apron 7034

Cold rolled steel, adjustable, 3/4" offset

Screws included



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 050 563   | 100 |

### Floor guide 116

Steel/Nylon

Screws included



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 103   | 50 |

#### Optional parts (not included in set)

# Carrier 7000 nylon

Steel, wheel nylon, up to 100 lbs/door (45 kg/door)



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 113 333 8 | 100 |

### Bumper stop 7014

Steel, track mounted, rubber stop, 2 required per track

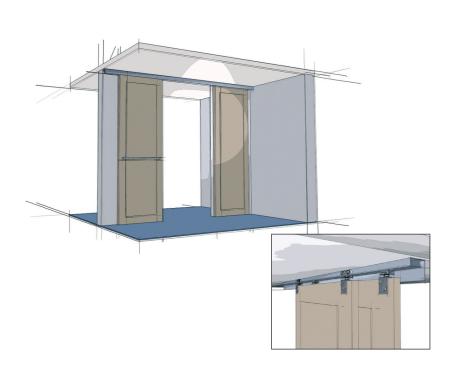


| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 561   | 20 |

# Sliding Door Hardware with Fascia

# Top Line Grant 73-138

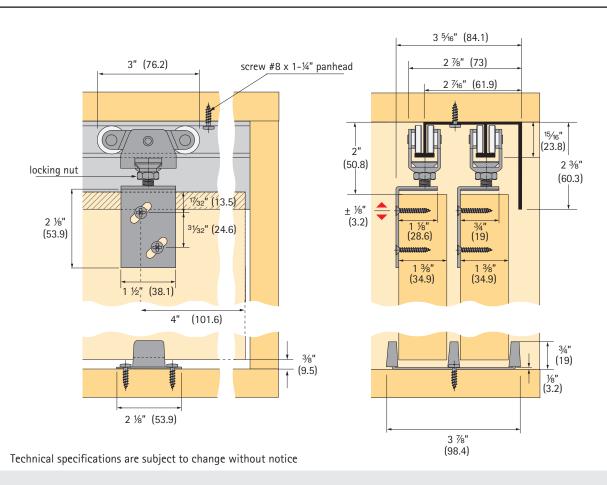
up to 150 lbs/door (68 kg/door), double track with fascia, for door thickness 1 3/8" (34.9 mm), side mount, adjustable



### Top Line Grant 73-138

A medium duty commercial and residential grade sliding door hardware series with fascia for by-passing installations. Applications include doors between rooms, closet doors, closets, cabinets, storage walls and partitions.

- For 1 <sup>3</sup>/<sub>8</sub>" doors weighing up to 150 lbs (68 kg), optional nylon wheel carrier up to 100 lbs (45 kg)
- Precision ball-bearing wheels ensure a smooth, quiet and long lasting performance.
- Heavy duty aluminum Double I-beam track; jump proof design
- Track with 2 %" fascia, decorative anodized finish
- Pivoting rocker arms ensure track-carrier contact.
- Ball and socket suspension compensates for minor header misalignment.
- Lock nut ensures permanent positioning.
- Serrations in apron permit vertical adjustment.
- Meets and/or exceeds ANSI/BHMA standards
- Made in USA



**6.6** www.hettich.com

Mounting: Side

Adjustment: ¼" (6.4 mm) vertical Door thickness: 1¾" (34.9 mm)

Headroom: 1%" (47.6 mm) min., 21/8" (53.9 mm) max.

Application: By-passing

#### Top Line Grant 73-138 door hardware is available in four purchasing options

#### Option I

Complete package: includes track, hardware set, and all screws

#### Hardware and track

| Length       | Order no. | PU     |
|--------------|-----------|--------|
| 4' (1200 mm) | 113 338 2 | 5 sets |
| 5' (1500 mm) | 113 338 3 | 5 sets |
| 6' (1800 mm) | 113 338 4 | 5 sets |
| 8' (2400 mm) | 113 338 5 | 5 sets |

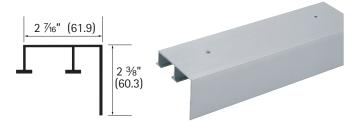
For longer track application order hardware set and track separately

# Option II

Track only

#### Double track with fascia 7005

Aluminum extruded, pre-drilled holes



| Length        | Order no. | PU |
|---------------|-----------|----|
| 5' (1500 mm)  | 050 548   | 5  |
| 6' (1800 mm)  | 050 549   | 5  |
| 8' (2400 mm)  | 050 550   | 5  |
| 10' (3000 mm) | 050 551   | 5  |
| 12' (3600 mm) | 050 552   | 5  |
| 16' (4800 mm) | 050 553   | 5  |
|               |           |    |

Screws not included – recommend #8 Pan Head Tracks 8' and under are notched at one end for easy access

#### Option III

Hardware set only

# Top Line Grant 72-138 hardware set (without track)

The hardware set includes:

- 4 carriers 7000 precision ball bearing wheels
- 4 aprons 7138
- 1 floor guide 117
- 1 wrench

necessary screws and installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 336 3 | 10 sets |

#### Option IV

Separate components

# Top Line Grant 73-138 components Carrier 7000 ball bearing

Steel, precision ball bearing wheels, up to 150 lbs/door (68 kg/door)



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 113 333 9 | 100 |

#### Apron 7138

Cold rolled steel, adjustable, 1 ½" offset

Screws included



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 050 565   | 100 |

#### Floor guide 117

Steel/Nylon

Screws included



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 104   | 50 |

### Optional parts (not included in set)

#### Carrier 7000 nylon

Steel, wheel nylon, up to 100 lbs/door (45 kg/door)



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 113 333 8 | 100 |

#### Bumper stop 7014

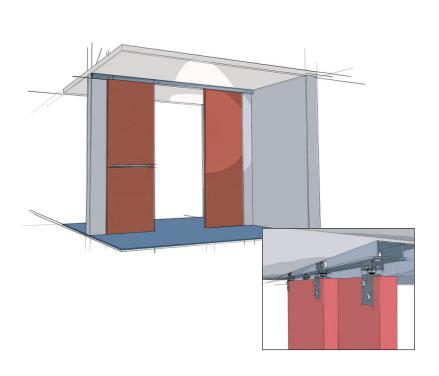
Steel, track mounted, rubber stop, 2 required per track



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 561   | 20 |

# Top Line Grant 73-134

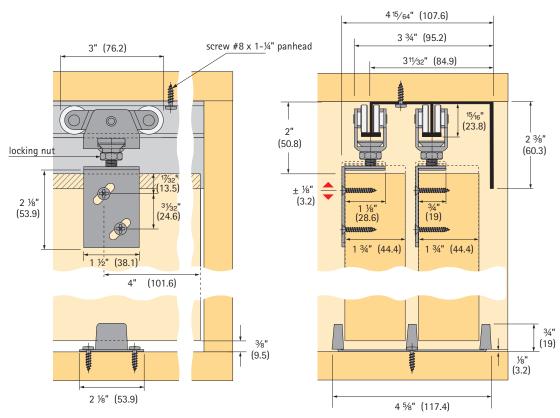
up to 150 lbs/door (68 kg/door), double track with fascia, for door thickness 1 3/4" (44.4 mm), side mount, adjustable



#### Top Line Grant 73-134

A medium duty commercial and residential grade sliding door hardware series with fascia for by-passing installations. Applications include doors between rooms, closet doors, cabinets, storage walls and partitions.

- For 1 <sup>3</sup>/<sub>4</sub>" doors weighing up to 150 lbs (68 kg), optional nylon wheel carrier up to 100 lbs (45 kg)
- Precision ball-bearing wheels ensure a smooth, quiet and long lasting performance.
- Heavy duty aluminum Double I-beam track; jump proof design
- Track with 2 %" fascia, decorative anodized finish
- Pivoting rocker arms ensure track-carrier contact.
- Ball and socket suspension compensates for minor header misalignment.
- Lock nut ensures permanent positioning.
- Serrations in apron permit vertical adjustment.
- Meets and/or exceeds ANSI/BHMA standards
- Made in USA



Technical specifications are subject to change without notice

**6.8** www.hettich.com

Mounting: Side

Adjustment: ¼" (6.4 mm) vertical Door thickness: 1¾" (44.4 mm)

Headroom: 1%" (47.6 mm) min., 21/8" (53.9 mm) max.

Application: By-passing

#### Top Line Grant 73-134 door hardware is available in four purchasing options

#### Ontion I

Complete package: includes track, hardware set, and all screws

#### Hardware and track

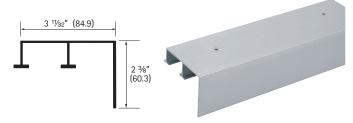
| Length       | Order no. | PU     |
|--------------|-----------|--------|
| 4' (1200 mm) | 113 337 8 | 5 sets |
| 5' (1500 mm) | 113 337 9 | 5 sets |
| 6' (1800 mm) | 113 338 0 | 5 sets |
| 8' (2400 mm) | 113 338 1 | 5 sets |

For longer track application order hardware set and track separately

#### Option II Track only

Double track with fascia 7007

Aluminum extruded, pre-drilled holes



| Length        | Order no. | PU |
|---------------|-----------|----|
| 5' (1500 mm)  | 050 555   | 5  |
| 6' (1800 mm)  | 050 556   | 5  |
| 8' (2400 mm)  | 050 557   | 5  |
| 10' (3000 mm) | 050 558   | 5  |
| 12' (3600 mm) | 050 559   | 5  |
| 16' (4800 mm) | 050 560   | 5  |
|               |           |    |

Screws not included – recommend #8 Pan Head

Tracks 8' and under are notched at one end for easy access

#### Option III

Hardware set only

## Top Line Grant 72-134 hardware set

(without track)

The hardware set includes:

- 4 carriers 7000 precision ball bearing wheels
- 2 aprons 7034 (front door)
- 2 aprons 7138 (rear door)
- 1 floor guide 118
- 1 wrench

necessary screws and installation instructions

| Article      | Order no. | PU      |
|--------------|-----------|---------|
| Hardware set | 113 335 8 | 10 sets |

#### Option I\

Separate components

# Top Line Grant 73-134 components Carrier 7000 ball bearing

Steel, precision ball bearing wheels, up to 150 lbs/door (68 kg/door)



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 113 333 9 | 100 |

#### Apron 7034/7138

Cold rolled steel, adjustable 3/4"

Screws included offs





| Article   | Finish      | Order no. | PU  |
|---|-------------|-----------|-----|
| <b>1</b> apron 7034, 3/4" offset <b>2</b> apron 7138, 1/8" offset | zinc-plated | 050 563   | 100 |
|   | zinc-plated | 050 565   | 100 |

## Floor guide 118

Steel/Nylon

Screws included



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 105   | 50 |

### Optional parts (not included in set)

## Carrier 7000 nylon

Steel, wheel nylon, up to 100 lbs/door (45 kg/door)



| Finish      | Order no. | PU  |
|-------------|-----------|-----|
| zinc-plated | 113 333 8 | 100 |

### Bumper stop 7014

Steel, track mounted, rubber stop, 2 required per track

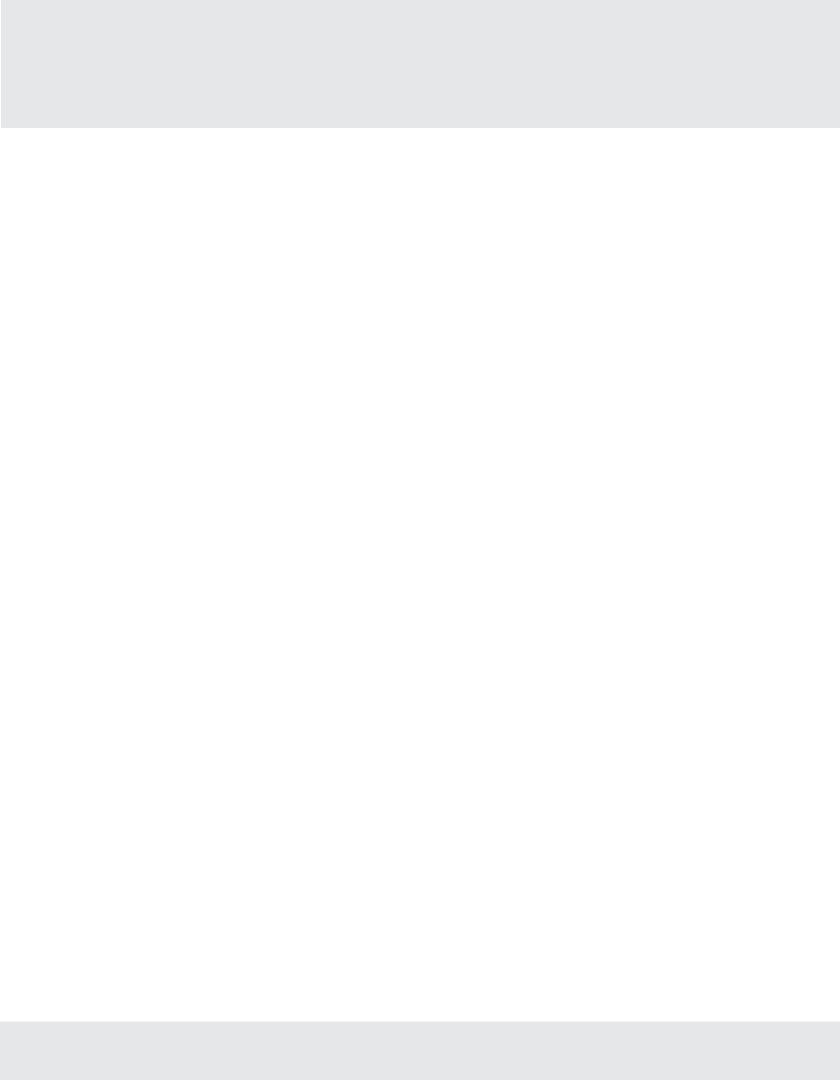


| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 561   | 20 |





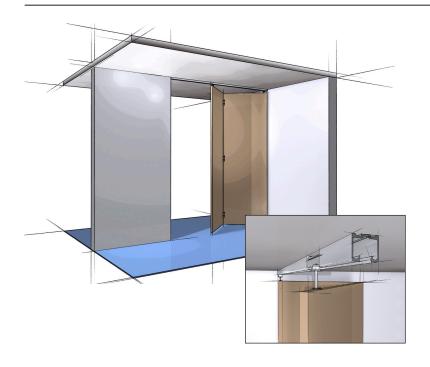
Grant® Folding Door Sets for Light, Medium and Heavy duty Doors



# Grant Bi-fold 25

up to 25 lbs/panel (11 kg/panel)

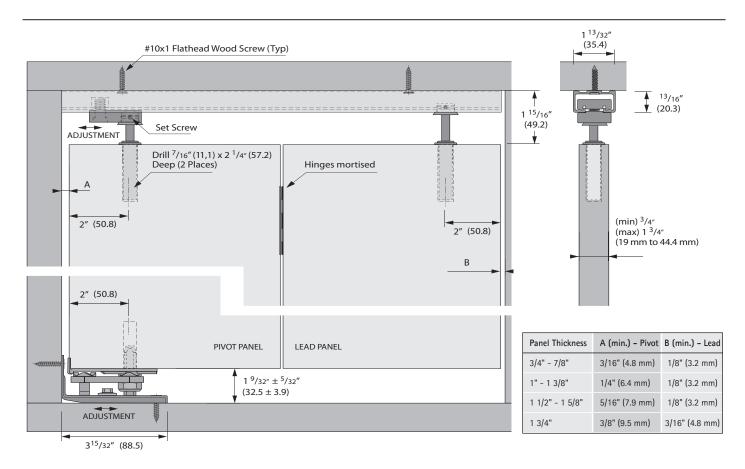
for door thickness 3/4" (19 mm) up to 1 3/4" (44.4 mm), top mount, adjustable



#### Grant Bi-fold 25

A light duty top hung folding door system for residential and commercial applications. The Grant Bi-fold 25 system supports light weight bi-folding door installations. Ideal for closet doors.

- For door panels <sup>3</sup>/<sub>4</sub>" (19 mm) up to 1 <sup>3</sup>/<sub>4</sub>" (44.4 mm)
- For doors weighing up to 25 lbs (11 kg) per panel
- Doors fold flat for better access
- Unique stay-open stay-close design keeps door in place
- Simple and quick to install
- Floor cam functions as marking template ensuring top and bottom holes are aligned, no measuring needed
- Spring plunger glides smoothly and easily while staying securely in place
- Pre-drilled aluminum track up to 16' (4800 mm)
- No bottom guide assistance required
- Meets and/or exceeds ANSI/BHMA standards



Technical specifications are subject to change without notice

Mounting: Top

Adjustment: 5/16" (7.9 mm) vertical

Door thickness: 3/4" (19 mm) to 13/4" (44.4 mm)

Headroom: 1 <sup>25</sup>/<sub>32</sub>" (45.3 mm) min., 2 <sup>3</sup>/<sub>32</sub>" (53.1 mm) max.

Application: Bi-fold

#### Grant Bi-fold 25 door hardware is available in three purchasing options

-jamb pivot

o-carrier

#### Option I

Complete package: includes track, hardware set, and all screws

# Grant Bi-fold 25 2-dr 1-way set Hardware and track

ilaluwaic allu tia

Packing includes:

1 track 50E

1 hardware set Bi-fold 25



| Length       | Order no. | PU     |
|--------------|-----------|--------|
| 3' (900 mm)  | 113 522 9 | 5 sets |
| 4' (1200 mm) | 113 523 0 | 5 sets |

For longer track application order hardware set and track separately

# Grant Bi-fold 25 4-dr 2-each way set Hardware and track

Packing includes:

1 track 50E

2 hardware set Bi-fold 25



| Order no. | PU                                  |
|-----------|-------------------------------------|
| 113 523 1 | 5 sets                              |
| 113 523 2 | 5 sets                              |
| 113 523 3 | 5 sets                              |
| 113 523 4 | 5 sets                              |
|           | 113 523 1<br>113 523 2<br>113 523 3 |

For longer track application order hardware set and track separately

#### Option II

Track only

## Single track 50E

Aluminum extruded, pre-drilled holes



| Length        | Order no. | PU   |
|---------------|-----------|------|
| 3' (900 mm)   | 113 440 6 | each |
| 4' (1200 mm)  | 113 439 9 | each |
| 5' (1500 mm)  | 113 440 0 | each |
| 6' (1800 mm)  | 113 440 1 | each |
| 8' (2400 mm)  | 113 440 2 | each |
| 10' (3000 mm) | 113 440 3 | each |
| 12' (3600 mm) | 113 440 4 | each |
| 16' (4800 mm) | 113 440 5 | each |

Screws not included - recommend #10 Flat Head

#### Option III

Hardware set only (without track)

# Grant Bi-fold 25 Hardware set 2-dr 1-way for two door installation, one way

Hardware set includes:

- 1 pivot plate assembly
- 2 plunger spring assembly
- 1 floor cam assembly
- 1 bi-fold hinge set 2646 necessary screws installation instructions





| Article                 | Order no. | PU      |
|-------------------------|-----------|---------|
| Hardware set 2-dr 1-way | 113 434 6 | 10 sets |

# Grant Bi-fold 25 Hardware set 4-dr 2-each way for four door installation, two door each way

Hardware set includes:

- 2 pivot plate assembly
- 4 plunger spring assembly
- 2 floor cam assembly
- 2 bi-fold hinge sets 2646 necessary screws installation instructions









| Article                      | Order no. | PU      |
|------------------------------|-----------|---------|
| Hardware set 4-dr 2-each way | 113 524 1 | 10 sets |

7.4 www.hettich.com

# Grant Bi-fold 25

up to 25 lbs/panel (11 kg/panel)

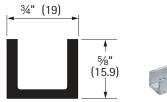
for door thickness 3/4" (19 mm) to 1 3/4" (44.4 mm), top mount, adjustable

### Accessory parts (not included in set)

**NOTE:** The Bi-fold 25 folding door system does not require the assistance of a bottom guide. If a bottom guide is desired the Guide channel 1222 and 1221 adjustable floor guide can be used. Installation measurements must be checked as some extreme adjustments may not work.

### Guide channel 1222

Aluminum extruded





| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 142   | 5  |
| 5' (1500 mm)  | 050 143   | 5  |
| 6' (1800 mm)  | 050 144   | 5  |
| 8' (2400 mm)  | 050 145   | 5  |
| 10' (3000 mm) | 050 146   | 5  |
| 12' (3600 mm) | 050 147   | 5  |
| 16' (4800 mm) | 050 148   | 5  |

Screws not included - recommend #6 Flat Head

# Guide roller 1221

Steel, adjustable

Screws included

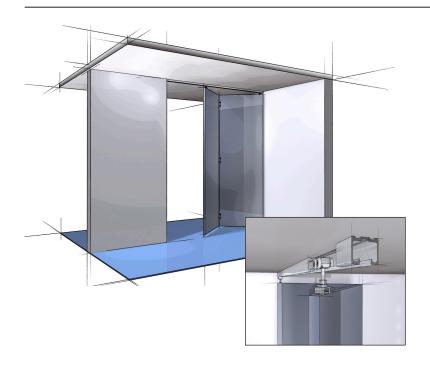


| Article           | Order no. | PU |
|-------------------|-----------|----|
| Guide roller 1221 | 050 141   | 20 |

# Light Duty Folding Door Set

# Grant Bi-fold 50

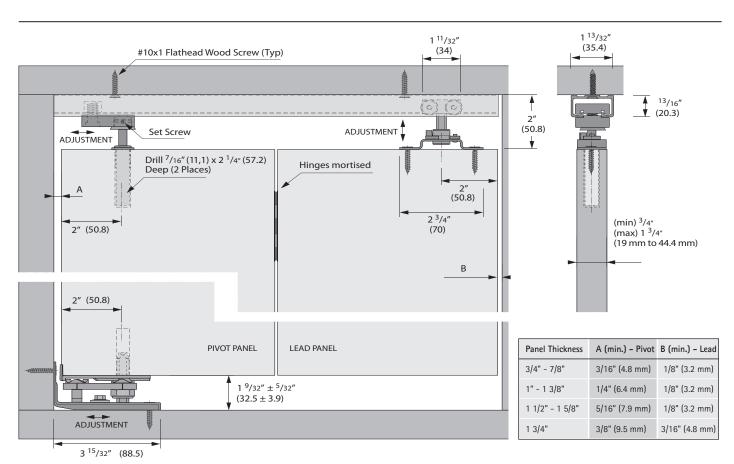
bi-fold up to 50 lbs/panel (23 kg/panel), multi-fold up to 30 lbs/panel (14 kg/panel) for door thickness  $\frac{3}{4}$ " (19 mm) to 1  $\frac{3}{4}$ " (44.4 mm), top mount, adjustable



#### Grant Bi-fold 50

A light duty top hung folding door system for residential and commercial applications. The Grant Bi-fold 50 system supports bi-folding and multi-folding door installations.

- For door panels 3/4" (19 mm) up to 1 3/4" (44.4 mm)
- For bi-fold doors weighing up to 50 lbs (23 kg) per panel, and multi-fold doors weighing up to 30 lbs (14 kg) per panel for up to 6 panels one way
- Doors fold flat for better access
- Unique stay-open stay-close design keeps door in place
- Ball bearing carrier with 4-wheels for smooth and long lasting operation
- Simple and easy to install, floor cam functions as marking template ensuring top and bottom holes are aligned, no measuring needed
- Pre-drilled aluminum track up to 16' (4800 mm)
- No bottom guide assistance required
- Meets and/or exceeds ANSI/BHMA standards



Technical specifications are subject to change without notice

7.6 www.hettich.com

#### **Specifications:**

Mounting: Top

Adjustment: 5/16" (7.9 mm) vertical

3/4" (19 mm) to 1 3/4" (44.4 mm) Door thickness:

1 23/32" (46.8 mm) min., 2 5/32" (54.8 mm) max. Headroom: Bi-fold and Multi-fold up to 6 panels one way Application:

#### Grant Bi-fold 50 door hardware is available in three purchasing options

-jamb pivot

o -carrier

#### Option I

Complete package: includes track, hardware set, and all screws

#### Grant Bi-fold 50 2-dr 1-way set Hardware and track

Packing includes:

1 track 50E

1 hardware set Bi-fold 50



| Length       | Order no. | PU     |
|--------------|-----------|--------|
| 3' (900 mm)  | 113 523 5 | 5 sets |
| 4' (1200 mm) | 113 523 6 | 5 sets |

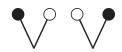
For longer track application order hardware set and track separately

#### Grant Bi-fold 50 4-dr 2-each way set Hardware and track

Packing includes:

1 track 50E

2 hardware set B-fold 50



| Length       | Order no. | PU     |
|--------------|-----------|--------|
| 4' (1200 mm) | 113 523 7 | 5 sets |
| 5' (1500 mm) | 113 523 8 | 5 sets |
| 6' (1800 mm) | 113 523 9 | 5 sets |
| 8' (2400 mm) | 113 524 0 | 5 sets |

For longer track application order hardware set and track separately

#### Option II

Track only

#### Single track 50E

Aluminum extruded, pre-drilled holes



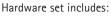
| Length       |    | Order no. | PU   |
|--------------|----|-----------|------|
| 3' (900 mm   | )  | 113 440 6 | each |
| 4' (1200 mm  | n) | 113 439 9 | each |
| 5' (1500 mm  | 1) | 113 440 0 | each |
| 6' (1800 mm  | 1) | 113 440 1 | each |
| 8' (2400 mm  | 1) | 113 440 2 | each |
| 10' (3000 mm | 1) | 113 440 3 | each |
| 12' (3600 mm | 1) | 113 440 4 | each |
| 16' (4800 mm | 1) | 113 440 5 | each |

Screws not included - recommend #10 Flat Head

#### Option III

Hardware set only (without track)

#### Grant Bi-fold 50 Hardware set 2-dr 1-way for two door installation, one way



- 1 pivot plate assembly
- 1 carrier 50E with quick release top plate
- 1 plunger spring assembly
- 1 floor cam assembly
- 1 bi-fold hinge set 2646 necessary screws installation instructions



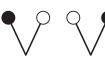


| Article                 | Order no. | PU      |
|-------------------------|-----------|---------|
| Hardware set 2-dr 1-way | 113 434 7 | 10 sets |

#### Grant Bi-fold 50 Hardware set 4-dr 2-each way for four door installation, two door each way

Hardware set includes:

- 2 pivot plate assembly
- 2 carrier 50E with quick release top plate
- 2 plunger spring assembly
- 2 floor cam assembly
- 2 bi-fold hinge sets 2646 necessary screws installation instructions









| Article                      | Order no. | PU      |
|------------------------------|-----------|---------|
| Hardware set 4-dr 2-each way | 113 524 3 | 10 sets |

7.7 www.grantdoorhardware.com

## Light Duty Folding Door Set

## Grant Bi-fold 50

bi-fold up to 50 lbs/panel (23 kg/panel), multi-fold up to 30 lbs/panel (14 kg/panel) for door thickness  $\frac{3}{4}$ " (19 mm) to 1  $\frac{3}{4}$ " (44.4 mm), top mount, adjustable

#### Grant Bi-fold 50 Multi-fold doors:

Up to 6 panels one way

Bi-fold applications up to 50 lbs/panel (23 kg/panel)

Multi-fold applications up to 30 lbs/panel (14 kg)

For each additional set of panels over two add one (1) - Grant carrier 50 w/top plate and one (1) - Bi-fold hinge set

| No. of doors | Layout | Load Capacity per panel | Hardware sets less track   | Item numbers to order                           |
|--------------|--------|-------------------------|--|---|
| 2            |        | 50 lbs (23 kg)          | 1 - set BF50 2-Dr 1-way  | 1 - 113 434 7                                   |
| 4            |        | 50 lbs (23 kg)          | 1 - set BF50 4-Dr 2-way  | 1 - 113 524 3                                   |
| 4            |        | 30 lbs (14 kg)          | 1 - set BF50 2-Dr 1-way<br>1 - carrier 50E w/ top plate<br>1 - bi-fold hinge set | 1 - 113 434 7<br>1 - 113 432 2<br>1 - 113 440 7 |
| 6            |        | 30 lbs (14 kg)          | 1 - set BF50 2-Dr 1-way<br>2 - carrier 50E w/ top plate<br>2 - bi-fold hinge set | 1 - 113 434 7<br>2 - 113 432 2<br>2 - 113 440 7 |
| 8            |        | 30 lbs (14 kg)          | 1 - set BF50 4-Dr 2-way<br>2 - carrier 50E w/ top plate<br>2 - bi-fold hinge set | 1 - 113 524 3<br>2 - 113 432 2<br>2 - 113 440 7 |
| 8            |        | 30 lbs (14 kg)          | 1 - set BF50 4-Dr 2-way<br>2 - carrier 50E w/ top plate<br>2 - bi-fold hinge set | 1 - 113 524 3<br>2 - 113 432 2<br>2 - 113 440 7 |

#### Grant Carrier 50E with top plate

four ball bearing wheels quick release top plate screws included



| Article                 | Order no. | PU |
|-------------------------|-----------|----|
| Carrier 50E w/top plate | 113 432 2 | 10 |

#### Bi-fold Hinge Set

Contains: Three (3) 2646 Hinges Screws included Steel, zinc plated, mortised



| Article           | Order no. | PU |
|-------------------|-----------|----|
| Bi-fold Hinge Set | 113 440 7 | 10 |

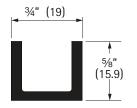
**7.8** www.hettich.com

#### Accessory parts (not included in set)

**NOTE:** The Bi-fold 50 folding door system does not require the assistance of a bottom guide. If a bottom guide is desired the Guide channel 1222 and 1221 adjustable floor guide can be used. Installation measurements must be checked as some extreme adjustments may not work.

#### Guide channel 1222

Aluminum extruded





| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 142   | 5  |
| 5' (1500 mm)  | 050 143   | 5  |
| 6' (1800 mm)  | 050 144   | 5  |
| 8' (2400 mm)  | 050 145   | 5  |
| 10' (3000 mm) | 050 146   | 5  |
| 12' (3600 mm) | 050 147   | 5  |
| 16' (4800 mm) | 050 148   | 5  |

Screws not included - recommend #6 Flat Head

#### Guide roller 1221

Steel, adjustable Screws included



| Article           | Order no. | PU |
|-------------------|-----------|----|
| Guide roller 1221 | 050 141   | 20 |

www.grantdoorhardware.com 7.9

#### Grant Bi-fold 150

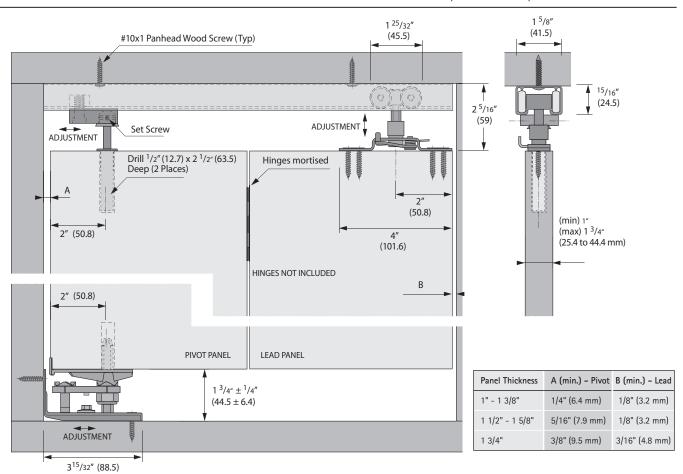
bi-fold up to 150 lbs/panel (68 kg/panel), multi-fold up to 75 lbs/panel (34 kg/panel) for door thickness 1" (25.4 mm) to  $1 \frac{3}{4}$ " (44.4 mm), top mount, adjustable



#### Grant Bi-fold 150

A medium duty, top hung folding door system. The Grant Bi-fold 150 system supports most medium duty residential and commercial grade bi-fold and multi-fold applications.

- For door panels 1" (25.4 mm) to 1 <sup>3</sup>/<sub>4</sub>" (44.4 mm)
- For bi-fold doors weighing up to 150 lbs (68 kg) per panel and multi-fold doors weighing up to 75 lbs (34 kg) per panel
- 4 wheel carrier with precision ball bearing wheels for quiet, effortless operation
- Doors fold flat for better access
- Unique stay-open stay-close design to keep doors in place
- Simple and easy to install, floor cam functions as marking template ensuring top and bottom holes are aligned, no measuring needed
- Pre-drilled Aluminum track up to 16' (4800 mm)
- · No bottom guide assistance required
- Meets and/or exceeds ANSI/BHMA standards



Technical specifications are subject to change without notice

7.9.1 www.hettich.com

#### **Specifications:**

Mounting: Top

Adjustment: ½" (12.7 mm) vertical

Door thickness: 1" (25.4 mm) to 1¾" (44.4 mm)

Headroom: 2 1/16" (52.4 mm) min., 2 9/16" (65.1 mm) max. Application: Bi-fold and Multi-fold up to 6 panels one way

#### Grant Bi-fold 150 door hardware is available in three purchasing options

-jamb pivoto-carrier

#### Option I

Complete package: includes track, hardware set, and all screws

## Grant Bi-fold 150 2-dr 1-way set Hardware and track

Packing includes:

1 track 150E

1 hardware set Bi-fold 150



| Length       | Order no. | PU     |
|--------------|-----------|--------|
| 4' (1200 mm) | 113 524 4 | 5 sets |
| 5' (1500 mm) | 113 524 5 | 5 sets |
| 6' (1800 mm) | 113 524 6 | 5 sets |
| 8' (2400 mm) | 113 524 7 | 5 sets |

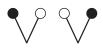
For longer track application order hardware set and track separately

## Grant Bi-fold 150 4-dr 2-each way set Hardware and track

Packing includes:

1 track 150E

2 hardware set Bi-fold 150



| Length       | Order no. | PU     |
|--------------|-----------|--------|
| 4' (1200 mm) | 113 524 8 | 5 sets |
| 5' (1500 mm) | 113 524 9 | 5 sets |
| 6' (1800 mm) | 113 525 0 | 5 sets |
| 8' (2400 mm) | 113 525 1 | 5 sets |

For longer track application order hardware set and track separately

#### Option II

Track only

## Single track 150E



| Length        | Order no. | PU   |
|---------------|-----------|------|
| 4' (1200 mm)  | 113 443 1 | each |
| 5' (1500 mm)  | 113 443 2 | each |
| 6' (1800 mm)  | 113 443 3 | each |
| 8' (2400 mm)  | 113 443 4 | each |
| 10' (3000 mm) | 113 443 5 | each |
| 12' (3600 mm) | 113 443 6 | each |
| 16' (4800 mm) | 113 443 7 | each |

Screws not included - recommend #10 Pan Head

#### Option III

Hardware set only (without track)

## Grant Bi-fold 150 Hardware set 2-dr 1-way for two door installation, one way

Hardware set includes:

- 1 pivot plate assembly
- 1 carrier 150E with quick release top plate
- 1 plunger spring assembly
- 1 floor cam assembly necessary screws installation instructions



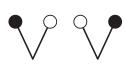


| Article                 | Order no. | PU      |
|-------------------------|-----------|---------|
| Hardware set 2-dr 1-way | 113 516 7 | 10 sets |

## Grant Bi-fold 150 Hardware set 4-dr 2-each way for four door installation, two door each way

Hardware set includes:

- 2 pivot plate assembly
- 2 carrier 150E with quick release top plate
- 2 plunger spring assembly
- 2 floor cam assembly necessary screws installation instructions





| Article                 | Order no. | PU      |
|-------------------------|-----------|---------|
| Hardware set 4-dr 2-way | 113 525 2 | 10 sets |

www.grantdoorhardware.com 7.9.2

## Medium Duty Bi-fold Door Set

## Grant Bi-fold 150

bi-fold up to 150 lbs/panel (68 kg/panel), multi-fold up to 75 lbs/panel (34 kg/panel) for door thickness 1" (25.4 mm) to  $1 \frac{3}{4}$ " (44.4 mm), top mount, adjustable

#### Grant Bi-fold 150 Multi-fold doors:

Up to 6 panels one way

Bi-fold applications up to 150 lbs/panel (68 kg/panel)

Multi-fold applications up to 75 lbs/panel (34 kg/panel)

For each additional set of panels over two add one (1) - Grant carrier 150E w/top plate and one (1) - Bi-fold hinge set

| No. of doors | Layout | Load Capacity per panel | Hardware sets less track   | Item numbers to order  |
|--------------|--------|-------------------------|--|--|
| 2            |        | 150 lbs (68 kg)         | 1 - set BF150 2-Dr 1-way   | 1 - 113 516 7  |
| 4            |        | 150 lbs (68 kg)         | 1 - set BF150 4-Dr 2-way   | 1 - 113 525 2  |
| 4            |        | 75 lbs (34 kg)          | 1 – set BF150 2-Dr 1-way<br>1 – carrier 150E w/ top plate<br>1 – extra bi-fold hinge set (not incl.) | 1 - 113 516 7<br>1 - 113 516 3<br>1 - extra bi-fold hinge sets |
| 6            |        | 75 lbs (34 kg)          | 1 - set BF150 2-Dr 1-way<br>2 - carrier 150E w/ top plate<br>2 - extra bi-fold hinge set (not incl.) | 1 - 113 516 7<br>2 - 113 516 3<br>2 - extra bi-fold hinge sets |
| 8            |        | 75 lbs (34 kg)          | 1 – set BF150 4-Dr 2-way<br>2 – carrier 150E w/ top plate<br>2 – extra bi-fold hinge set (not incl.) | 1 - 113 525 2<br>2 - 113 516 3<br>2 - extra bi-fold hinge sets |
| 8            |        | 75 lbs (34 kg)          | 1 – set BF150 4-Dr 2-way<br>2 – carrier 150E w/ top plate<br>2 – extra bi-fold hinge set (not incl.) | 1 - 113 525 2<br>2 - 113 516 3<br>2 - extra bi-fold hinge sets |

#### Grant Carrier 150E with top plate

four ball bearing wheels steel, spring loaded quick release top plate screws included



| Article                  | Order no. | PU |
|--------------------------|-----------|----|
| Carrier 150E w/top plate | 113 516 3 | 10 |

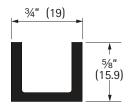
7.9.3 www.hettich.com

#### Accessory parts (not included in set)

**NOTE:** The Bi-fold 150 folding door system does not require the assistance of a bottom guide. If a bottom guide is desired the Guide channel 1222 and 1221 adjustable floor guide can be used. Installation measurements must be checked as some extreme adjustments may not work.

#### Guide channel 1222

Aluminum extruded





| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 142   | 5  |
| 5' (1500 mm)  | 050 143   | 5  |
| 6' (1800 mm)  | 050 144   | 5  |
| 8' (2400 mm)  | 050 145   | 5  |
| 10' (3000 mm) | 050 146   | 5  |
| 12' (3600 mm) | 050 147   | 5  |
| 16' (4800 mm) | 050 148   | 5  |

Screws not included - recommend #6 Flat Head

#### Guide roller 1221

Steel, adjustable Screws included



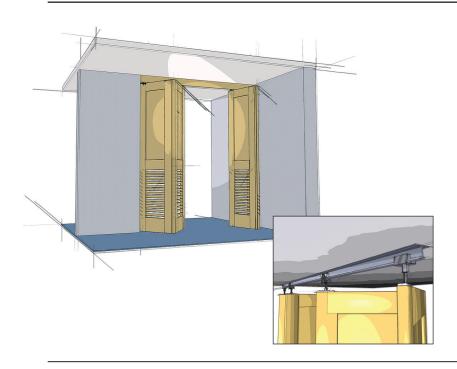
| Article           | Order no. | PU |
|-------------------|-----------|----|
| Guide roller 1221 | 050 141   | 20 |

www.grantdoorhardware.com 7.9.4

## Wing Line Grant 1260

up to 175 lbs/door (80 kg/door)

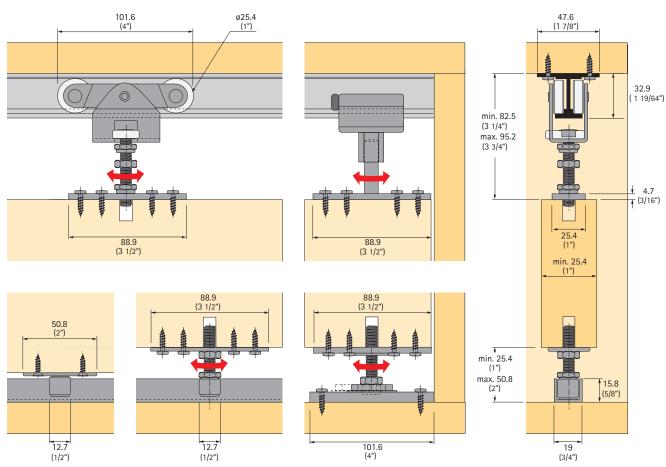
for door thickness 1" (25.4 mm) minimum, top mount, adjustable



#### Wing Line Grant 1260

A heavy duty, top hung folding door system. The Wing Line Grant 1260 system supports most heavy duty residential and commercial grade bi-fold applications.

- For door panels 1" [25.4 mm] minimum and up
- For doors weighing up to 175 lbs [80 kg] per panel
- 4 wheel carrier with precision ball bearing wheels for quiet, effortless operation.
- Aluminum track up to 16' [4800 mm]
- Pre-drilled track for easy installation
- One-way or bi-parting sets available
- Meets and/or exceeds ANSI/BHMA standards
- Made in USA



Technical specifications are subject to change without notice

7.10 www.hettich.com

**Specifications:** 

Mounting: Top

Adjustment: ½" (12.7 mm) vertical Door thickness: 1" (25.4 mm) min.

Headroom: 3¼" (82.5 mm) min., 3¾" (95.2 mm) max.

Application: Bi-fold

#### Wing Line Grant 1260 door hardware is available in four purchasing options

#### Option I

Complete package includes: track, hardware set, and all screws

## Wing Line Grant 1262 two-door (one way) set Hardware and track

Packing includes:

- 1 track 1201
- 1 hardware set 1260

| Length       | Order no. | PU      |
|--------------|-----------|---------|
| 4' (1200 mm) | 113 328 5 | 10 sets |
| 6' (1800 mm) | 113 328 6 | 10 sets |
| 8' (2400 mm) | 113 328 7 | 10 sets |

For longer track application order hardware set and track separately

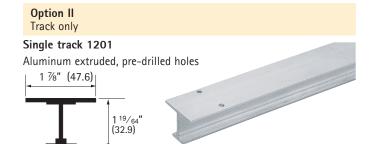
## Wing Line Grant 1264 four-door (two doors each way) set Hardware and track

Packing includes:

- 1 track 1201
- 2 hardware sets 1260

| Length        | Order no. | PU      |
|---------------|-----------|---------|
| 4' (1200 mm)  | 113 328 8 | 10 sets |
| 5' (1500 mm)  | 113 328 9 | 10 sets |
| 6' (1800 mm)  | 113 329 0 | 10 sets |
| 8' (2400 mm)  | 113 329 1 | 10 sets |
| 10' (3000 mm) | 113 329 2 | 10 sets |
| 12' (3600 mm) | 113 329 3 | 10 sets |
| 16' (4800 mm) | 113 329 4 | 10 sets |
|               |           |         |

For longer track application order hardware set and track separately



| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 121   | 5  |
| 5' (1500 mm)  | 050 122   | 5  |
| 6' (1800 mm)  | 050 123   | 5  |
| 8' (2400 mm)  | 050 124   | 5  |
| 10' (3000 mm) | 050 125   | 5  |
| 12' (3600 mm) | 050 126   | 5  |
| 16' (4800 mm) | 050 127   | 5  |
|               |           |    |

Screws not included - recommend #12 Pan Head

#### Option III

Hardware set only (without track)

#### Wing Line Grant 1260 hardware sets

## Hardware set 1260 for two door opening

Hardware set includes:

- 1 ball bearing carrier with pendant bolt and top plate 1205
- 1 floor pivot bolt assembly 1223
- 1 bottom pivot pin plate 1224
- 1 bottom pivot plate assembly 1234
- 1 top pivot clamp assembly 1255
- 1 top pivot post assembly 1269 screws



hinges not included

| Article           | Order no. | PU    |
|-------------------|-----------|-------|
| Hardware set 1260 | 113 328 4 | 1 set |

#### Hardware set 1225

#### Hardware kit to convert 1230 to folding door

Hardware set includes:

- 1 floor pivot bolt assy 1223
- 1 bottom pivot pin plate 1224
- 1 bottom pivot plate assy 1234
- 1 top pivot clamp assy 1255
- 1 top pivot plate assy 1269 screws

installation instructions 1260

| Article           | Order no. | PU    |
|-------------------|-----------|-------|
| Hardware set 1225 | 050 151   | 1 set |

# Option IV Separate components

#### Wing Line Grant 1260 components

#### Carrier 1205

Steel, four wheels with precision ball bearings, includes pendant bolt and top plate

Screws included



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 113 327 1 | 10 |

www.grantdoorhardware.com 7.11

## Heavy Duty Bi-Fold Door Set

## Wing Line Grant 1260

up to 175 lbs/door (80 kg/door)

for door thickness 1" (25.4 mm) minimum, top mount, adjustable

#### Top pivot clamp assembly 1255

Aluminum extruded with rubber bumper



| Article                       | Order no. | PU |
|-------------------------------|-----------|----|
| Top pivot clamp assembly 1255 | 050 161   | 10 |

#### Top pivot post assembly 1269

Steel



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 173   | 10 |

#### Bottom pivot pin plate 1224

Steel



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 150   | 10 |

#### Floor pivot bolt assembly 1223

Steel



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 149   | 10 |

#### Bottom pivot plate assembly 1234

Steel

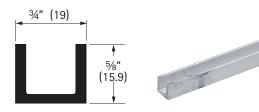


| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 160   | 10 |

#### Optional parts (not included in set)

#### Guide channel 1222

Aluminum extruded



| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 142   | 5  |
| 5' (1500 mm)  | 050 143   | 5  |
| 6' (1800 mm)  | 050 144   | 5  |
| 8' (2400 mm)  | 050 145   | 5  |
| 10' (3000 mm) | 050 146   | 5  |
| 12' (3600 mm) | 050 147   | 5  |
| 16' (4800 mm) | 050 148   | 5  |

Screws not included - recommend #6 Flat Head

#### Guide roller 1211

Steel, non adjustable

Screws included



| Article           | Order no. | PU |
|-------------------|-----------|----|
| Guide roller 1211 | 050 138   | 20 |

#### Guide roller 1221

Steel, adjustable

Screws included



| Article           | Order no. | PU |
|-------------------|-----------|----|
| Guide roller 1221 | 050 141   | 20 |

**7.12** www.hettich.com

## Light, Medium and Heavy Duty

#### Sheaves and Tracks

up to 50 lbs, 125 lbs, 200 lbs (23 kg, 57 kg, 91 kg)

Sheave and sheave tracks are intended for underneath support of single, bi-parting and by-passing sliding doors.

Sheaves and sheave tracks require less headroom, eliminating top hung hardware, and are less conspicuous than overhead sliding door hardware. The no. 14, no. 18, and no. 20 series cover a wide range of applications.

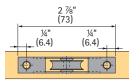
The no. 20 series is recommended for store fixtures, case goods, wardrobe, kitchen cabinets and similar light duty doors. The no. 20 series offers a choice of nylon or metal wheel with self-lubricating oilite bushings for durability, and is abrasion and heat resistant.

The no. 14 and no. 18 series are intended for medium and heavy duty residential and commercial installations. The no. 14 and no. 18 series have a self-lubricating nylon wheel for quiet and easy operation.

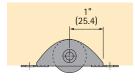
- Choice of wheel material
- Metal: long wearing, nick, abrasion and heat resistant
- Self-lubricating bronze oilite bushings on metal wheels; nylon is self lubricating.
- · Accurate fitting of sheaves and tracks minimizes jumping.
- All sheaves and tracks are available in rust resistant materials.
- Simple installation to door and floor
- Made in USA

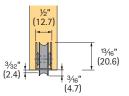
#### Sheave 20

for  $^3/_4$ " [19 mm] min. door thickness for 50 lbs [23 kg] doors



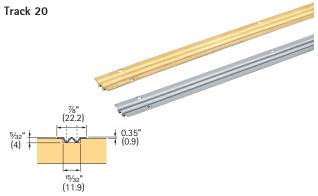






| Finish                         | Order no. | PU |
|--------------------------------|-----------|----|
| Wheel - brass, housing - brass | 050 452   | 12 |
| Wheel - nylon, housing - brass | 050 453   | 12 |
| Wheel - nylon, housing - steel | 050 454   | 12 |
| Wheel - brass, housing - steel | 050 455   | 12 |

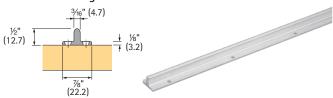
Screws included



| Article       | Finish          | Order no. | PU |
|---------------|-----------------|-----------|----|
| 6' (1800 mm)  | brass           | 050 433   | 5  |
| 8' (2400 mm)  | brass           | 050 434   | 5  |
| 10' (3000 mm) | brass           | 050 435   | 5  |
| 12' (3600 mm) | brass           | 050 436   | 5  |
| 10' (3000 mm) | stainless steel | 050 440   | 5  |
| 12' (3600 mm) | stainless steel | 050 441   | 5  |
| 6' (1800 mm)  | aluminum        | 050 443   | 5  |

Screws not included - recommend #2 Flat Head, pre-drilled holes

#### Continuous floor guide 2014



| Length        | Order no. | PU |
|---------------|-----------|----|
| 6' (1800 mm)  | 050 448   | 5  |
| 8' (2400 mm)  | 050 449   | 5  |
| 10' (3000 mm) | 050 450   | 5  |
| 12' (3600 mm) | 050 451   | 5  |

Screws not included - recommend #6 Flat Head, pre-drilled holes

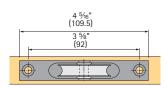
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## **Sheaves and Tracks**

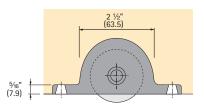
up to 50 lbs, 125 lbs, 200 lbs (23 kg, 57 kg, 91 kg)

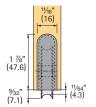
Sheave 18

for 1" [25.4 mm] min. door thickness for 125 lbs [57 kg] doors



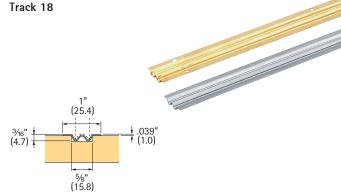






| Article                        | Order no. | PU |
|--------------------------------|-----------|----|
| Wheel – nylon, housing – zamac | 113 552 5 | 12 |

Screws included



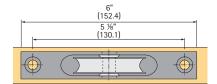
| Article  | Finish   | Order no.  | PU                    |
|--|--|--|-----------------------|
| 6' (1800 mm)<br>8' (2400 mm)<br>12' (3600 mm)<br>6' (1800 mm)<br>8' (2400 mm)<br>10' (3000 mm) | brass<br>brass<br>brass<br>stainless steel<br>stainless steel<br>stainless steel | 050 424<br>050 425<br>050 427<br>050 428<br>050 429<br>050 430 | 5<br>5<br>5<br>5<br>5 |
| 12' (3600 mm)  | stainless steel  | 050 431  | 5                     |

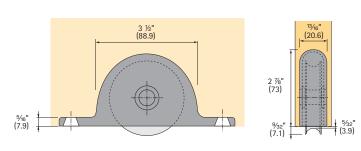
Screws not included - recommend #2 Flat Head, pre-drilled holes

Sheave 14

for 11/4" [31.8 mm] min. door thickness for 200 lbs [91 kg] doors





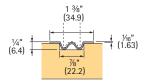


| Article                        | Order no. | PU |
|--------------------------------|-----------|----|
| Wheel - nylon, housing - zamac | 113 552 6 | 12 |

Screws included

Track 14





| Length        | Finish | Order no. | PU |
|---------------|--------|-----------|----|
| 6' (1800 mm)  | bronze | 050 175   | 5  |
| 8' (2400 mm)  | bronze | 050 176   | 5  |
| 10' (3000 mm) | bronze | 050 177   | 5  |
| 12' (3600 mm) | bronze | 050 178   | 5  |

Screws not included - recommend #4 Flat Head, pre-drilled holes

8.2 www.hettich.com

## Floor Guides

#### Floor guide 110

Nylon, sold in pairs Screws included



| Finish | Order no. | PU      |
|--------|-----------|---------|
| N/A    | 050 101   | 50 sets |

#### Floor guide 7015

Zinc diecast

Dimensions:

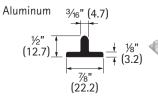
3" x %" x ¾" (76.2 x 22.2 x 19 mm)

Screws included



| Finish       | Order no. | PU |
|--------------|-----------|----|
| Zinc diecast | 050 562   | 50 |

#### Continuous floor guide 2014

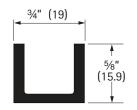


| Length        | Order no. | PU |
|---------------|-----------|----|
| 6' (1800 mm)  | 050 448   | 5  |
| 8' (2400 mm)  | 050 449   | 5  |
| 10' (3000 mm) | 050 450   | 5  |
| 12' (3600 mm) | 050 451   | 5  |

Screws not included - recommend #6 Flat Head, pre-drilled holes

#### Guide channel 1222

Aluminum extruded





| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 142   | 5  |
| 5' (1500 mm)  | 050 143   | 5  |
| 6' (1800 mm)  | 050 144   | 5  |
| 8' (2400 mm)  | 050 145   | 5  |
| 10' (3000 mm) | 050 146   | 5  |
| 12' (3600 mm) | 050 147   | 5  |
| 16' (4800 mm) | 050 148   | 5  |
|               |           |    |

#### Guide roller 1211

Steel, non adjustable

Screws included



| Article           | Order no. | PU |
|-------------------|-----------|----|
| Guide roller 1211 | 050 138   | 20 |

#### Guide roller 1221

Steel, adjustable

Screws included



| Article           | Order no. | PU |
|-------------------|-----------|----|
| Guide roller 1221 | 050 141   | 20 |

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## Floor Guides

#### Floor guide 114

Nylon, Adjustable for ¾" to 1¾" doors Screws included



| Finish | Order no. | PU |
|--------|-----------|----|
| N/A    | 050 102   | 50 |

#### Floor guide 116

Steel, Nylon

Screws included



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 103   | 50 |

#### Floor guide 117

Steel, Nylon

Screws included



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 104   | 50 |

#### Floor guide 118

Steel, Nylon

Screws included



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 105   | 50 |

#### Floor guide 119

Steel, Nylon

Screws included



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 050 106   | 50 |

9.2 www.hettich.com

#### Single track 6003

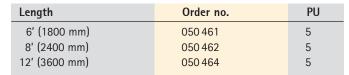
for single doors installations 3/4" (19 mm) thickness. Mounting holes approx. 2" (50 mm) from each end and on approx. 13" (330 mm) between centers.

Dimensions:

 $1^{1}/8$ " w x  $^{15}/16$ " h (28.6 x 23.8 mm)

Material:

extruded aluminum pre-drilled holes



Screws not included - recommend #8 Pan Head

#### Double track 6004

for by passing doors 3/4" or 13/8" (19 or 35 mm) thick. Mounting holes approx. 2" (50 mm) from each end and on approx. 13" (330 mm) between centers.

Dimensions:

1 3/4" w x 15/16" h (44.4 x 23.8 mm)

Material:

extruded aluminum pre-drilled holes

| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 466   | 5  |
| 6' (1800 mm)  | 050 468   | 5  |
| 8' (2400 mm)  | 050 469   | 5  |
| 10' (3000 mm) | 050 470   | 5  |
| 12' (3600 mm) | 050 471   | 5  |
| 16' (4800 mm) | 050 472   | 5  |
|               |           |    |

Screws not included - recommend #8 Pan Head

#### Double track with fascia 6005

for by passing doors 3/4" (19 mm) thick. Mounting holes approx. 2" (50 mm) from each end and on approx. 13" (330 mm) between centers.

Dimensions:

17/8" x 11/2" fascia (47.6 x 38.1 mm)

Material:

extruded aluminum anodized finish pre-drilled holes



Screws not included - recommend #8 Pan Head

#### Carrier 6320

Single wheel, adjustable, side mount, 3/16" offset

Dimensions:

213/16" x 21/4" x 113/16" (71 x 57 x 46 mm)

apron - electro zinc plated cold rolled steel

wheel - ball bearing

stud - electro zinc plated cold rolled steel

Screws included



| Article      | Order no. | PU |
|--------------|-----------|----|
| Carrier 6320 | 113 333 3 | 50 |

#### Carrier 6330

Single wheel, adjustable, side mount, ½" offset

Dimensions:

213/16" x 21/4" x 113/16"

(71 x 57 x 46 mm)

Material:

apron - electro zinc plated cold rolled steel

wheel - ball bearing

stud - electro zinc plated cold rolled steel

Screws included



| Article      | Order no. | PU |
|--------------|-----------|----|
| Carrier 6330 | 113 333 4 | 50 |

#### Carrier 6350

Double wheel, adjustable, side mount, 3/16" offset

Dimensions:

 $2^{13}/16$ " x 3" x  $^{3}/16$ "

(71.4 x 76.2 x 4.8 mm)

Material:

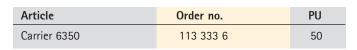
mount, apron and arm -

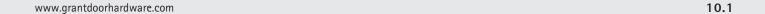
electro zinc plated cold rolled steel

wheels - ball bearing

studs - electro zinc plated cold rolled steel

Screws included





#### 6000 Series

#### Carrier 6360

Double wheel, adjustable, side mount, ½" offset

Dimensions:

2<sup>13</sup>/<sub>16</sub>" x 3" x <sup>1</sup>/<sub>2</sub>"

(71.4 x 76.2 x 12 mm)

Material:

mount, apron and arm -

electro zinc plated cold rolled steel

wheels - ball bearing

studs - electro zinc plated cold rolled steel

Screws included

| Article      | Order no. | PU |
|--------------|-----------|----|
| Carrier 6360 | 113 333 7 | 50 |

#### Floor guide 110

For single door installation.

Sold in pairs

Dimensions:

13/4" x 3/4" (44.5 x 19 mm)

Material: nylon Screws included

| A4: -1-         | 0         | DII     |
|-----------------|-----------|---------|
| Article         | Order no. | PU      |
| Floor guide 110 | 050 101   | 50 sets |

#### Floor guide 114

For by-passing installation. Adjustable for 3/4" to 13/8" (19 to 35 mm) doors

Dimensions:

3" x 1<sup>1</sup>/8" (76.2 x 28.6 mm)

Material: nylon Screws included

| Article         | Order no. | PU |
|-----------------|-----------|----|
| Floor guide 114 | 050 102   | 50 |

#### Floor guide 116

For by-passing installation. Non-adjustable for 3/4" (19 mm) doors Dimensions:

25/8" x 21/8" x 3/4" (66.7 x 54 x 19 mm)

| Article         | Order no. | PU |
|-----------------|-----------|----|
| Floor guide 116 | 050 103   | 50 |



Surface mounted "T".

Dimensions:

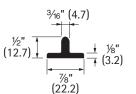
 $3" \times \frac{7}{8}" \times \frac{3}{4}" (76.2 \times 22.2 \times 19 \text{ mm})$ 

Material: zinc diecast Screws included

| Article          | Order no. | PU |
|------------------|-----------|----|
| Floor guide 7015 | 050 562   | 50 |

#### Continuous floor guide 2014

Aluminum, pre-drilled holes



| (22.2)        |           |    |
|---------------|-----------|----|
| Length        | Order no. | PU |
| 6' (1800 mm)  | 050 448   | 5  |
| 8' (2400 mm)  | 050 449   | 5  |
| 10' (3000 mm) | 050 450   | 5  |
| 12' (3600 mm) | 050 451   | 5  |

Screws not included - recommend #6 Flat Head

#### Angle stop 1018

For by-passing doors.

Attaches to rear of front door, assuring accessibility of rear door flush pull. 2 stops required per door.

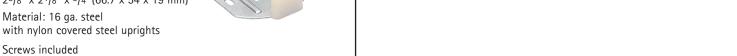


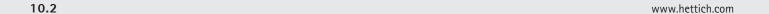
 $1^{1}/8$ " x  $1^{7}/32$ " x 3/4" (28.6 x 31 x 19 mm)

0.093" thick electro zinc plated cold rolled steel with rubber bumper

Screws included

| Article         | Order no. | PU |
|-----------------|-----------|----|
| Angle stop 1018 | 050 120   | 5  |





# Parts and Accessories **7000 Folding Series**

#### Guide roller 1211

Used with no. 1222 guide channel. Attaches to bottom of door and runs within guide channel. Door mortising not required.

Dimensions:

plate – 2" x  $^3/_4$ " x  $^3/_{32}$ " (50 x 19 x 2 mm) roller –  $^{17}/_{32}$ " x  $^1/_2$ " (13 x 12.7 mm) dia.

Material:

electro zinc plated cold rolled steel

Screws included



| Article           | Order no. | PU |
|-------------------|-----------|----|
| Guide roller 1211 | 050 138   | 20 |

#### Guide roller 1221 (adjustable)

Used with recessed no. 1222 guide channel. Attached to bottom of lead doors and runs in guide channel.

Dimensions:

plate  $-\frac{3}{4}$ " (width) x  $\frac{3}{2}$ " x  $\frac{3}{32}$ " (thick) 19 mm (width) x 88.9 mm x 2.4 (thick) mm

post -  $2^{1/2}$ " x  $^{5/16}$ " (diameter) 63.5 mm x 7.9 mm (diameter)

guide roller -  $\frac{13}{32}$ " (height) x  $\frac{1}{2}$ " (diameter) 10.3 mm (height) x 12.7 mm (diameter)

Material:

plate and post - electro zinc plated cold rolled steel

Screws included

| Article           | Order no. | PU |
|-------------------|-----------|----|
| Guide roller 1221 | 050 141   | 20 |

#### Continuous guide channel 1222

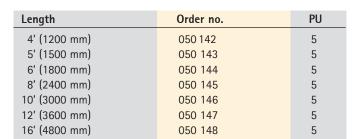
Used with no. 1211 or 1221 guide roller. Mortised into floor or suface mounted.

Dimensions:

 $^{3}/_{4}$ " w x  $^{5}/_{8}$ " h (19 x 15.9 mm)

Material:

0.093" thick extruded aluminum



Screws not included - recommend #6 Flat Head

#### Single track 7001

Single I-beam track with wide top flange. For single and bi-parting installations or by-passing installations for doors greater than 13/4" (44.5 mm) thick.

Mounting holes approx. every 11" (279 mm) on center.

Dimensions:

1 <sup>9</sup>/16" w x <sup>15</sup>/16" (39.7 x 23.8 mm)

Material: 0.085" thick extruded aluminum pre-drilled holes



| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 519   | 5  |
| 5' (1500 mm)  | 050 520   | 5  |
| 6' (1800 mm)  | 050 521   | 5  |
| 8' (2400 mm)  | 050 522   | 5  |
| 10' (3000 mm) | 050 523   | 5  |
| 12' (3600 mm) | 050 524   | 5  |
| 16' (4800 mm) | 050 525   | 5  |
|               |           |    |

Screws not included - recommend #8 Pan Head

#### Double track 7002

Double I-beam track. For by-passing doors 3/4" (19 mm) or  $1^{1}/8$ " (28.6 mm) thick.

Mounting holes approx. every 11" (279 mm) on center.

Dimensions:

pre-drilled holes

1 3/32" x 15/16" (27.8 x 23.8 mm) Material: 0.085" thick extruded aluminum



| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 526   | 5  |
| 5' (1500 mm)  | 050 527   | 5  |
| 6' (1800 mm)  | 050 528   | 5  |
| 8' (2400 mm)  | 050 529   | 5  |
| 10' (3000 mm) | 050 530   | 5  |
| 12' (3600 mm) | 050 531   | 5  |
| 16' (4800 mm) | 050 532   | 5  |

Screws not included - recommend #8 Pan Head

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#### 7000 Series

#### Double track 7003

Double I-beam track. For by-passing doors  $1^3/8''$  (34.9 mm) or  $1^3/4''$  (44.4 mm) thick.

Mounting holes approx. every 11" (279 mm) on center.

Dimensions:

 $1^{23}/32$ " w x  $^{15}/16$ " (43.7 x 23.8 mm)

Material: 0.085" thick extruded aluminum

pre-drilled holes



| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 533   | 5  |
| 5' (1500 mm)  | 050 534   | 5  |
| 6' (1800 mm)  | 050 535   | 5  |
| 8' (2400 mm)  | 050 536   | 5  |
| 10' (3000 mm) | 050 537   | 5  |
| 12' (3600 mm) | 050 538   | 5  |
| 16' (4800 mm) | 050 539   | 5  |
|               |           |    |

Screws not included - recommend #8 Pan Head

#### Double track with fascia 7004

Double I-beam track with fascia. For by-passing doors <sup>3</sup>/<sub>4</sub>" (19 mm) thick.

Mounting holes approx. every 11" (279 mm) on center.

Dimensions:

1  $^{23}/_{32}$ " w x  $^{15}/_{16}$ " h x  $^{23}/_{8}$ " (fascia)

(43.7 x 23.8 x 60.3 mm)

Material: 0.085" thick extruded aluminum anodized finish pre-drilled holes



| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 540   | 5  |
| 5' (1500 mm)  | 050 541   | 5  |
| 6' (1800 mm)  | 050 542   | 5  |
| 8' (2400 mm)  | 050 543   | 5  |
| 10' (3000 mm) | 050 544   | 5  |
| 12' (3600 mm) | 050 545   | 5  |
| 16' (4800 mm) | 050 546   | 5  |
|               |           |    |

Screws not included - recommend #8 Pan Head

#### Double track with fascia 7005

Double I-beam track with fascia. For by-passing doors  $1^3/8''$  (34.9 mm) thick.

Mounting holes approx. every 11" (279 mm) on center.

Dimensions:

 $2^{7/16}$ " w x  $^{15/16}$ " h x  $2^{3/8}$ " (fascia)

(61.9 x 23.8 x 60.3 mm)

Material:

0.085" thick extruded aluminum anodized finish

pre-drilled holes

| Length        | Order no. | PU |
|---------------|-----------|----|
| 5' (1500 mm)  | 050 548   | 5  |
| 6' (1800 mm)  | 050 549   | 5  |
| 8' (2400 mm)  | 050 550   | 5  |
| 10' (3000 mm) | 050 551   | 5  |
| 12' (3600 mm) | 050 552   | 5  |
| 16' (4800 mm) | 050 553   | 5  |

Screws not included - recommend #8 Pan Head

#### Double track with fascia 7007

Double I-beam track with fascia. For by-passing doors  $1^3/4''$  (44.4 mm) thick.

Mounting holes approx. every 11" (279 mm) on center.

Dimensions:

 $3^{11}/32$ " w x  $^{15}/16$ " h x 2  $^{3}/8$ " (fascia)

(84.9 x 23.8 x 60.3 mm)

Material:

0.085" thick extruded aluminum

anodized finish

pre-drilled holes



Screws not included - recommend #8 Pan Head

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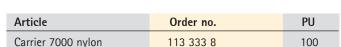
#### Carrier 7000 nylon wheel (100 lbs)

For all installations.

Dimensions: 3" x 1<sup>3</sup>/<sub>16</sub>" x <sup>27</sup>/<sub>32</sub>" (76.2 x 30.2 x 21.4 mm)

Material:

0.078" thick electro zinc plated cold rolled steel with free rolling nylon wheels



#### Carrier 7000 ball bearing (150 lbs)

with precision ball bearing wheels

Dimensions: 3" x 1<sup>3</sup>/<sub>16</sub>" x <sup>27</sup>/<sub>32</sub>"

(76.2 x 30.2 x 21.4 mm)

Material:

0.078" thick electro zinc plated cold rolled steel with free rolling ball bearing wheels

| Article                   | Order no. | PU  |
|---------------------------|-----------|-----|
| Carrier 7000 ball bearing | 113 333 9 | 100 |

#### Top plate 7111

Non-adjustable. Used in 71-111 hardware sets.

Dimensions:

 $^{27}/_{32}$ " high x  $^{3}/_{4}$ " x  $^{3}/_{2}$ "

(21.4 x 19 x 88.9 mm)

Material:

0.093" thick electro zinc plated cold rolled steel

Screws included

| Article        | Order no. | PU |
|----------------|-----------|----|
| Top plate 7111 | 050 564   | 50 |

#### Top plate 7222

Adjustable. Used in 71-222, 72-222 and 72-223 hardware sets.

Dimensions:

1<sup>3</sup>/<sub>4</sub>" high x <sup>3</sup>/<sub>4</sub>" x 3<sup>9</sup>/<sub>16</sub>" (44 x 19 x 90.5 mm)

Material:

0.093" (plate) thick electro zinc plated

cold rolled steel

Screws included

| Article        | Order no. | PU |
|----------------|-----------|----|
| Top plate 7222 | 050 566   | 50 |

#### Apron 7034

Adjustable.

Used in 71-034, 72-034,

72-118 and 72-134 hardware sets.

Dimensions:

 $2^{57}/64$ " high x  $1^{1}/2$ " x 3/4" offset

(73.4 x 38.1 x 19 mm)

Material:

0.078" thick electro zinc plated cold rolled steel

Screws included

| Article    | Order no. | PU  |
|------------|-----------|-----|
| Apron 7034 | 050 563   | 100 |

Adjustable.

Used in 71-138, 72-138,

72-118 and 72-134 hardware sets.

Dimensions:

 $2^{57}/64$ " high x  $1^{1}/2$ " x  $1^{1}/8$ " offset

(73.4 x 38.1 x 28.6 mm)

Materia

0.078" thick electro zinc plated

cold rolled steel

Screws included

| Article    | Order no. | PU  |
|------------|-----------|-----|
| Apron 7138 | 050 565   | 100 |

#### Floor guide 110

For single door installation.

Dimensions:

1<sup>3</sup>/<sub>4</sub>" x <sup>3</sup>/<sub>4</sub>" (44.4 x 19 mm)

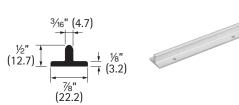
Material: nylon

Screws included

| Article         | Order no. | PU      |
|-----------------|-----------|---------|
| Floor guide 110 | 050 101   | 50 pair |

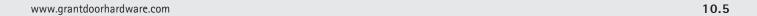
#### Continuous floor quide 2014

Aluminum, pre-drilled holes



| Length        | Order no. | PU |
|---------------|-----------|----|
| 6' (1800 mm)  | 050 448   | 5  |
| 8' (2400 mm)  | 050 449   | 5  |
| 10' (3000 mm) | 050 450   | 5  |
| 12' (3600 mm) | 050 451   | 5  |

Screws not included - recommend #6 Flat Head



#### 7000 Series

#### Guide roller 1211

Used with no. 1222 guide channel. Attaches to bottom of door and runs within guide channel. Door mortising not required.

Dimensions:

plate - 2" x  $^{3}/_{4}$ " x  $^{3}/_{32}$ " (50 x 19 x 2 mm) roller -  $^{17}/_{32}$ " x  $^{1}/_{2}$ " (13 x 12.7 mm) dia.

Material:

electro zinc plated cold rolled steel

Screws included



| Article           | Order no. | PU |
|-------------------|-----------|----|
| Guide roller 1211 | 050 138   | 20 |

#### Guide roller 1221 (adjustable)

Used with recessed no. 1222 guide channel. Attached to bottom of lead doors and runs in guide channel.

Dimensions:

plate –  $^{3}/_{4}$ " (width) x  $^{3}/_{2}$ " x  $^{3}/_{32}$ " (thick) 19 mm (width) x 88.9 mm x 2.4 (thick) mm

post -  $2^{1}/2^{\circ}$  x  $^{5}/16^{\circ}$  (diameter) 63.5 mm x 7.9 mm (diameter)

guide roller –  $^{13}/_{32}$ " (height) x  $^{1}/_{2}$ " (diameter) 10.3 mm (height) x 12.7 mm (diameter)

Material: electro zinc plated cold rolled steel

Screws included

| Article           | Order no. | PU |
|-------------------|-----------|----|
| Guide roller 1221 | 050 141   | 20 |

#### Continuous guide channel 1222

Used with no. 1211 guide roller. Mortised into floor or suface mounted.

Dimensions:

<sup>3</sup>/<sub>4</sub>" x <sup>5</sup>/<sub>8</sub>" (19 x 15.9 mm)

Material:

0.093 thick extruded aluminum



Screws not included - recommend #6 Flat Head

#### Angle stop 1018

For by-passing doors. Attaches to rear of front door, assuring accessibility of rear door flush pull.

Dimensions:

 $1^{1}/8$ " x  $1^{7}/32$ " x 3/4" (28.6 x 31 x 19 mm)

Material:

0.093 thick electro zinc plated cold rolled steel with rubber bumper

Screws included

| Article         | Order no. | PU |
|-----------------|-----------|----|
| Angle stop 1018 | 050 120   | 5  |

#### Bumper stop 7014

Track mounted.

For any sliding door application where a stop is desired.

Dimensions:

 $^{7}/8$ " x  $1^{3}/16$ " x  $1^{19}/32$ " (22.2 x 30.2 x 40.5 mm)

Material:

angle – electro zinc plated cold rolled steel housing – aluminium, bumper – rubber

Screws included

| Article          | Order no. | PU |
|------------------|-----------|----|
| Bumper stop 7014 | 050 561   | 20 |

#### 7000 Hardware Set Screwpack

Versatile pack of screws that will work with all 7000 Single Door Hardware sets. Includes screws for top and side mount options. For By-passing doors use two Screwpacks.

32 Screws in a polybag:

- 16 pcs, #8 x 1 1/4" Panhead screws
- 8 pcs, #8 x  $^{3}\!\!\!/_{4}$ " Flathead screws
- 8 pcs, #8 x 1 ¼" Flathead screws

| Article                 | Order no. | PU |
|-------------------------|-----------|----|
| 7000 Screwpack Hrdw Set | 113 433 6 | 10 |

#### 7000 Track Screwpack

Versatile pack of screws that will work with all 7000 Tracks up to a 16' (4800 mm) length.

34 Screws in a polybag:

- 34 pcs, #8 x 1 1/4" Flathead screw

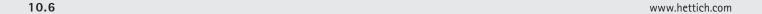
| Article              | Order no. | PU |
|----------------------|-----------|----|
| 7000 Screwpack Track | 113 433 7 | 10 |

#### 7000 Wrench Bulk Pack

Bulk pack of wrenches for the 7000 series.

10 bulk wrenches in a polybag, zinc plated

| Article            | Order no. | PU |
|--------------------|-----------|----|
| 7000 Wrenches Bulk | 113 433 8 | 10 |



# Parts and Accessories 1200 Sliding Series

# Single track 1201 Aluminum extruded, pre-drilled holes 1 7/8" (47.6) 119/64" (32.9)

| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 121   | 5  |
| 5' (1500 mm)  | 050 122   | 5  |
| 6' (1800 mm)  | 050 123   | 5  |
| 8' (2400 mm)  | 050 124   | 5  |
| 10' (3000 mm) | 050 125   | 5  |
| 12' (3600 mm) | 050 126   | 5  |
| 16' (4800 mm) | 050 127   | 5  |
|               |           |    |

Screws not included - recommend #12 Pan Head

#### Top Line Grant 1210 components

#### Carrier 1202

Steel, two wheels, precision bearings, with pendant and top plate

Screws included



| Finish      | Order no. | PU |
|-------------|-----------|----|
| zinc-plated | 113 327 0 | 20 |

#### Top Line Grant 1230 components

#### Carrier 1205

Steel, four wheels, precision bearings, with pendant bolt and top plate

Screws included



| Finish      | Order no. | PU |  |
|-------------|-----------|----|--|
| zinc-plated | 113 327 1 | 10 |  |

#### Bumper stop 1212

Aluminum, with rubber bumper



| Article     | Order no. | PU |
|-------------|-----------|----|
| Bumber stop | 050 139   | 1  |

#### Bumper stop 1213

Aluminum, with rubber bumper



| Article     | Order no. | PU |
|-------------|-----------|----|
| Bumber stop | 050 140   | 1  |

#### Floor guide 7015

Zinc diecast

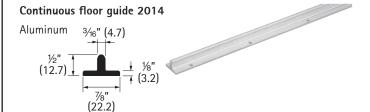
Dimensions:

3" x %" x  $3\!\!4"$  (76.2 x 22.2 x 19 mm)

Screws included



| Finish | Order no. | PU |
|--------|-----------|----|
| N/A    | 050 562   | 50 |



| Length Order no. |         | PU |
|------------------|---------|----|
| 6' (1800 mm)     | 050 448 | 5  |
| 8' (2400 mm)     | 050 449 | 5  |
| 10' (3000 mm)    | 050 450 | 5  |
| 12' (3600 mm)    | 050 451 | 5  |

Screws not included - recommend #6 Flat Head, pre-drilled holes

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## 150 Box Track Sliding Series

#### Single track 150

Aluminum, pre-drilled holes, mill or anodized finish



| Length        | Mill finish | Anodized finish | PU |
|---------------|-------------|-----------------|----|
| 4' (1200 mm)  | 113 425 8   | 113 421 1       | 5  |
| 5' (1500 mm)  | 113 425 9   | 113 421 2       | 5  |
| 6' (1800 mm)  | 113 426 0   | 113 413 3       | 5  |
| 8' (2400 mm)  | 113 426 1   | 113 413 4       | 5  |
| 10' (3000 mm) | 113 426 2   | 113 413 5       | 5  |
| 12' (3600 mm) | 113 426 3   | 113 413 6       | 5  |
| 16' (4800 mm) | 113 426 4   | 113 413 7       | 5  |
|               |             |                 |    |

Screws not included - recommend #8 panhead

#### Top Line Grant 150 components

#### Carrier 150 with quick release top plate

Four precision ball bearing wheels, self-leveling, adjustable

Screws included



| Article     | Order no. | PU |
|-------------|-----------|----|
| Carrier 150 | 113 424 6 | 10 |

#### Endstop Catch 150/325

Steel, easy to insert into track, simply turn sideways, insert into track, and turn to lock into place, adjustable, holds system in position, works with 150 and 325 series



| Finish      | Order no. | PU |  |
|-------------|-----------|----|--|
| Zinc plated | 113 424 5 | 10 |  |

#### Floor guide 7015

Zinc diecast

Dimensions:

3" x %" x 34" (76.2 x 22.2 x 19 mm)

Screws included



#### Track Fascia, 150 & 325

ABS material, Light gray color Paintable, special colors can be ordered Friction fit securely holds fascia in track Easily adjusts for doors 1" to 1 3/4"



| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 113 430 7 | 1  |
| 5' (1500 mm)  | 113 430 8 | 1  |
| 6' (1800 mm)  | 113 430 9 | 1  |
| 8' (2400 mm)  | 113 431 0 | 1  |
| 10' (3000 mm) | 113 431 1 | 1  |
| 12' (3600 mm) | 113 431 2 | 1  |
| 16' (4800 mm) | 113 431 3 | 1  |

Easy to install fascia, no screws required

#### Wall Mount Bracket, 150 & 325

Aluminum, Anodized finish
Set screw locks track in place
Uses 1/8" [3.2 mm] allen wrench
16" (406.4 mm) spacing recommended
Screws included



| Article                      | Order no. | PU |
|------------------------------|-----------|----|
| Wall mount bracket, anodized | 113 442 3 | 25 |

#### Wall Mount Fascia, 150 & 325

ABS material, Light gray color Paintable, special colors can be ordered Friction fit securely holds fascia in place Easily adjusts for doors 1" to 1 3/4"



| <u> </u>      |           |    |
|---------------|-----------|----|
| Length        | Order no. | PU |
| 4' (1200 mm)  | 113 431 4 | 1  |
| 5' (1500 mm)  | 113 431 5 | 1  |
| 6' (1800 mm)  | 113 431 6 | 1  |
| 8' (2400 mm)  | 113 431 7 | 1  |
| 10' (3000 mm) | 113 431 8 | 1  |
| 12' (3600 mm) | 113 431 9 | 1  |
| 16' (4800 mm) | 113 432 0 | 1  |
|               |           |    |

10.8 www.hettich.com

## 325 Box Track Sliding Series

#### Single track 325



| Length |               | Mill finish | Anodized finish | PU |
|--------|---------------|-------------|-----------------|----|
|        | 4' (1200 mm)  | 113 427 6   | 113 421 3       | 5  |
|        | 5' (1500 mm)  | 113 427 7   | 113 421 4       | 5  |
|        | 6' (1800 mm)  | 113 427 8   | 113 413 8       | 5  |
|        | 8' (2400 mm)  | 113 427 9   | 113 413 9       | 5  |
|        | 10' (3000 mm) | 113 428 0   | 113 414 0       | 5  |
|        | 12' (3600 mm) | 113 428 1   | 113 414 1       | 5  |
|        | 16' (4800 mm) | 113 428 2   | 113 414 2       | 5  |
|        |               |             |                 |    |

Screws not included - recommend # 12 panhead

#### Top Line Grant 325 components

#### Carrier 325 with quick release top plate

Four precision ball bearing wheels, self-leveling, adjustable

Screws included



| Article     | Order no. | PU |
|-------------|-----------|----|
| Carrier 325 | 113 424 7 | 10 |

#### Endstop Catch 150/325

Steel, easy to install into track, simply turn sideways, insert into track, and turn to lock into place, adjustable, holds system in position, works with 150 and 325 series



| Finish      | Order no. | PU |
|-------------|-----------|----|
| Zinc plated | 113 424 5 | 10 |

#### Floor guide 7015

Zinc diecast Dimensions:

3" x %" x ¾" (76.2 x 22.2 x 19 mm)

Screws included



#### Track Fascia, 150 & 325

ABS material, Aluminum color Paintable, special colors can be ordered Friction fit securely holds fascia in track Easily adjusts for doors 1" to 1 3/4"



| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 113 430 7 | 1  |
| 5' (1500 mm)  | 113 430 8 | 1  |
| 6' (1800 mm)  | 113 430 9 | 1  |
| 8' (2400 mm)  | 113 431 0 | 1  |
| 10' (3000 mm) | 113 431 1 | 1  |
| 12' (3600 mm) | 113 431 2 | 1  |
| 16' (4800 mm) | 113 431 3 | 1  |

Easy to install fascia, no screws required

#### Wall Mount Bracket, 150 & 325

Aluminum, Anodized finish
Set screw locks track in place
Uses 1/8" [3.2 mm] allen wrench
Screws included



| Article                      | Order no. | PU |
|------------------------------|-----------|----|
| Wall mount bracket, anodized | 113 442 3 | 25 |

#### Wall Mount Fascia, 150 & 325

ABS material, Aluminum color Paintable, special colors can be ordered Friction fit securely holds fascia in place Easily adjusts for doors 1" to 1 3/4"



| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 113 431 4 | 1  |
| 5' (1500 mm)  | 113 431 5 | 1  |
| 6' (1800 mm)  | 113 431 6 | 1  |
| 8' (2400 mm)  | 113 431 7 | 1  |
| 10' (3000 mm) | 113 431 8 | 1  |
| 12' (3600 mm) | 113 431 9 | 1  |
| 16' (4800 mm) | 113 432 0 | 1  |

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## 500 Box Track Sliding Series



| Length        | Order no. | PU |
|---------------|-----------|----|
| 6' (1800 mm)  | 113 403 9 | 1  |
| 8' (2400 mm)  | 113 404 0 | 1  |
| 10' (3000 mm) | 113 404 1 | 1  |
| 12' (3600 mm) | 113 404 2 | 1  |
| 16' (4800 mm) | 113 404 3 | 1  |
|               |           |    |

Each track length packed in a heavy duty tube with necessary screws Track lengths over 16' are available on request

#### Carrier 500 with quick release top plate

Steel, four precision bearing wheels, with adjustable pendant bolt and top plate with quick release feature, self-leveling. Carrier must be used with Endstop catch.



| Article                 | Order no. | PU |
|-------------------------|-----------|----|
| Carrier 500 w/top plate | 113 537 2 | 10 |

#### Endstop Catch 500 Series

Aluminum endstop with spring catch



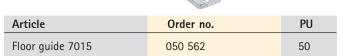
| Article       | Order no. | PU |
|---------------|-----------|----|
| Endstop Catch | 113 407 6 | 10 |

#### Floor guide 7015

Zinc diecast Dimensions:

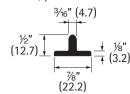
3" x %" x ¾" (76.2 x 22.2 x 19 mm)

Screws included



#### Continuous floor guide 2014

Aluminum, pre-drilled holes



Length

6' (1800 mm)

8' (2400 mm)

10' (3000 mm)

12' (3600 mm)



5

5

050 450

050 451

Screws not included - recommend #6 Flat Head

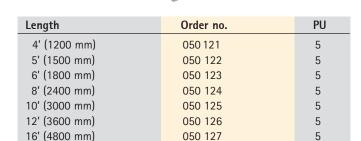
10.10 www.hettich.com

#### Single track 1201

Single I-beam type for folding doors, 2 door one way or

4 door bi-parting.

Dimensions: 17/8" (wide) x 119/64" (height) Material: 0.125" extruded aluminum



Screws not included - recommend #12 Pan Head, pre-drilled holes

#### Carrier set 1205

for all 1260 installations.

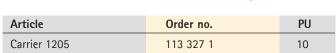
Dimensions:

carrier housing  $1^{13}/14$ " (height) x 2" x  $1^{1}/8$ " pendant bolt  $2^{5}/16''$  (length) x 3/8'' (diameter) top plate 1" (width) x 31/2" x 3/16" (thick)

Material:

carrier housing, pendant bolt, top plate electro zinc plated cold rolled steel rollers - four, precision ball bearings, with nylon outer race

Screws included



#### Top pivot clamp assembly 1255

Clamped to track close to jamb.

Dimensions:

 $1^3/8$ " (width) x  $1^{15}/16$ " (over bumpers) x 2" (over bushings)

clamp - extruded aluminum, bushing - brass, bumper - rubber

| Article                       | Order no. | PU |
|-------------------------------|-----------|----|
| Top pivot clamp assembly 1255 | 050 161   | 10 |

#### Top pivot post assembly 1269

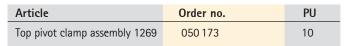
Mount to top of door (jamb side).

Inserts into no. 1255 top pivot clamp bushing.

1" (width) x 3<sup>1</sup>/<sub>2</sub>" x 1<sup>7</sup>/<sub>16</sub>" bushing - 17/32" (height)

(over 3/8" diameter pin)

Material: electro zinc plated cold rolled steel



#### Bottom pivot pin plate 1224

Attaches to bottom of door next to jamb and receives no. 1223 floor pivot bolt assembly.

Dimensions:

plate - 1" (width) x  $3^{1/2}$ " x 3/14"

bushing -  $\frac{17}{32}$ " (height)

Material:

electro zinc plated cold rolled steel

| Article                     | Order no. | PU |
|-----------------------------|-----------|----|
| Bottom pivot pin plate 1224 | 050 150   | 10 |

#### Floor pivot bolt assembly 1223

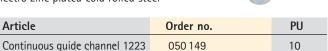
Screws into bottom pivot pin plate.

Dimensions:

3/8" (diameter) x 25/16"

Material:

electro zinc plated cold rolled steel



#### Bottom pivot plate assembly 1234

Floor pivot bolt head mounted to the bottom of the door (jamb side). No. 1223 engages the bushing in the bottom

pivot plate assembly.

Dimensions:

 $1^{1}/2^{\circ}$  (width) x 4" x  $^{1}/2^{\circ}$ (height over bushing)

Material:

plate - electro zinc plated cold rolled steel

bushing - brass

| Article                          | Order no. | PU |
|----------------------------------|-----------|----|
| Bottom pivot plate assembly 1234 | 050 160   | 10 |

10.11 www.grantdoorhardware.com

## Parts and Accessories **BF25 Folding Series**

#### Guide roller 1211

Used with no. 1222 guide channel. Attaches to bottom of door and runs within guide channel. Door mortising not required.

#### Dimensions:

plate – 2" x  $^3/_4$ " x  $^3/_{32}$ " (50 x 19 x 2 mm) roller –  $^{17}/_{32}$ " x  $^1/_2$ " (13 x 12.7 mm) dia.

#### Material:

electro zinc plated cold rolled steel

Screws included



| Article           | Order no. | PU |
|-------------------|-----------|----|
| Guide roller 1211 | 050 138   | 20 |

#### Guide roller 1221 (adjustable)

Used with recessed no. 1222 guide channel. Attached to bottom of lead doors and runs in guide channel.

#### Dimensions:

plate  $- \frac{3}{4}$ " (width) x  $\frac{31}{2}$ " x  $\frac{3}{32}$ " (thick) 19 mm (width) x 88.9 mm x 2.4 (thick) mm

post - 2<sup>1</sup>/2" x <sup>5</sup>/16" (diameter)

63.5 mm x 7.9 mm (diameter)

guide roller –  $^{13}/_{32}$ " (height) x  $^{1}/_{2}$ " (diameter) 10.3 mm (height) x 12.7 mm (diameter)

#### Material

electro zinc plated cold rolled steel

Screws included

| Article           | Order no. | PU |
|-------------------|-----------|----|
| Guide roller 1221 | 050 141   | 20 |

#### Continuous guide channel 1222

Used with no. 1211 guide roller. Mortised into floor or suface mounted.

--

Dimensions:

<sup>5</sup>/8" x <sup>3</sup>/4" (16 x 19 mm)

Material:

0.093 thick extruded aluminum

| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 142   | 5  |
| 5' (1500 mm)  | 050 143   | 5  |
| 6' (1800 mm)  | 050 144   | 5  |
| 8' (2400 mm)  | 050 145   | 5  |
| 10' (3000 mm) | 050 146   | 5  |
| 12' (3600 mm) | 050 147   | 5  |
| 16' (4800 mm) | 050 148   | 5  |
|               |           |    |

Screws not included - recommend #6 Flat Head

#### Single track 50E

Aluminum extruded, pre-drilled holes



| Length        | Order no. | PU   |
|---------------|-----------|------|
| 3' (900 mm)   | 113 440 6 | each |
| 4' (1200 mm)  | 113 439 9 | each |
| 5' (1500 mm)  | 113 440 0 | each |
| 6' (1800 mm)  | 113 440 1 | each |
| 8' (2400 mm)  | 113 440 2 | each |
| 10' (3000 mm) | 113 440 3 | each |
| 12' (3600 mm) | 113 440 4 | each |
| 16' (4800 mm) | 113 440 5 | each |

Screws not included - recommend #10 Flat Head

#### BF25/BF50 Pivot plate assembly

Sold in BF25/BF50 Hardware sets only. Available separately as replacement part.



| Article              | Order no. | PU |
|----------------------|-----------|----|
| Pivot Plate Assembly | 113 432 5 | 1  |

#### BF25/BF50 Plunger spring assembly

Sold in BF25/BF50 Hardware sets only.

Available separately as replacement part.



| Article                 | Order no. | PU |
|-------------------------|-----------|----|
| Plunger spring assembly | 113 432 4 | 1  |

#### BF25/BF50 Floor cam assembly

Sold in BF25/BF50 Hardware sets only.

Available separately as replacement part.



| Article            | Order no. | PU |
|--------------------|-----------|----|
| Floor cam assembly | 113 432 3 | 1  |

10.12 www.hettich.com

#### Bi-fold Hinge Set

Contains: Three (3) 2646 Hinges Screws included

Steel, zinc plated, mortised



| Article           | Order no. | PU |
|-------------------|-----------|----|
| Bi-fold Hinge Set | 113 440 7 | 10 |

#### Guide roller 1221 (adjustable)

Used with recessed no. 1222 guide channel. Attached to bottom of lead doors and runs in guide channel.

Dimensions:

plate –  $^3/_4$ " (width) x  $^31/_2$ " x  $^3/_3$ 2" (thick) 19 mm (width) x 88.9 mm x 2.4 (thick) mm

post -  $2^{1/2}$ " x 5/16" (diameter) 63.5 mm x 7.9 mm (diameter)

guide roller –  $^{13}/_{32}$ " (height) x  $^{1}/_{2}$ " (diameter) 10.3 mm (height) x 12.7 mm (diameter)

Material

electro zinc plated cold rolled steel

Screws included

| Article           | Order no. | PU |
|-------------------|-----------|----|
| Guide roller 1221 | 050 141   | 20 |

#### Continuous guide channel 1222

Used with no. 1211 guide roller. Mortised into floor or suface mounted.

Dimensions:

5/8" x 3/4" (16 x 19 mm)

Material:

0.093 thick extruded aluminum

| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 142   | 5  |
| 5' (1500 mm)  | 050 143   | 5  |
| 6' (1800 mm)  | 050 144   | 5  |
| 8' (2400 mm)  | 050 145   | 5  |
| 10' (3000 mm) | 050 146   | 5  |
| 12' (3600 mm) | 050 147   | 5  |
| 16' (4800 mm) | 050 148   | 5  |

Screws not included - recommend #6 Flat Head

#### Single track 50E

Aluminum extruded, pre-drilled holes

113/32" (35.4)

13/46"
(20.3)

| Length        | Order no. | PU   |
|---------------|-----------|------|
| 3' (900 mm)   | 113 440 6 | each |
| 4' (1200 mm)  | 113 439 9 | each |
| 5' (1500 mm)  | 113 440 0 | each |
| 6' (1800 mm)  | 113 440 1 | each |
| 8' (2400 mm)  | 113 440 2 | each |
| 10' (3000 mm) | 113 440 3 | each |
| 12' (3600 mm) | 113 440 4 | each |
| 16' (4800 mm) | 113 440 5 | each |

Screws not included - recommend #10 Flat Head

#### BF25/BF50 Pivot plate assembly

Sold in BF25/BF50 Hardware sets only. Available separately as replacement part.



| Article              | Order no. | PU |
|----------------------|-----------|----|
| Pivot Plate Assembly | 113 432 5 | 1  |

#### BF25/BF50 Plunger spring assembly

Sold in BF25/BF50 Hardware sets only. Available separately as replacement part.



| Article                 | Order no. | PU |
|-------------------------|-----------|----|
| Plunger spring assembly | 113 432 4 | 1  |

#### Grant Carrier 50E with top plate

four ball bearing wheels quick release top plate screws included



| Article                 | Order no. | PU |
|-------------------------|-----------|----|
| Carrier 50E w/top plate | 113 432 2 | 10 |

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# Parts and Accessories **BF50 Folding Series**

#### Bi-fold Hinge Set

Contains: Three (3) 2646 Hinges Screws included Steel, zinc plated, mortised



| Article           | Order no. | PU |
|-------------------|-----------|----|
| Bi-fold Hinge Set | 113 440 7 | 10 |

#### BF25/BF50 Floor cam assembly

Sold in BF25/BF50 Hardware sets only. Available separately as replacement part.



| Article            | Order no. | PU |
|--------------------|-----------|----|
| Floor cam assembly | 113 432 4 | 1  |

#### Guide roller 1221 (adjustable)

Used with recessed no. 1222 guide channel. Attached to bottom of lead doors and runs in guide channel.

Dimensions:

plate - 3/4" (width) x 31/2" x 3/32" (thick) 19 mm (width) x 88.9 mm x 2.4 (thick) mm post - 21/2" x 5/16" (diameter) 63.5 mm x 7.9 mm (diameter)

guide roller –  $^{13}/_{32}$ " (height) x  $^{1}/_{2}$ " (diameter) 10.3 mm (height) x 12.7 mm (diameter)

Material:

electro zinc plated cold rolled steel

Screws included

| Article           | Order no. | PU |
|-------------------|-----------|----|
| Guide roller 1221 | 050 141   | 20 |

#### Continuous guide channel 1222

Used with no. 1211 guide roller. Mortised into floor or suface mounted.

Dimensions:

<sup>5</sup>/8" x <sup>3</sup>/4" (16 x 19 mm)

Material:

0.093 thick extruded aluminum

| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 142   | 5  |
| 5' (1500 mm)  | 050 143   | 5  |
| 6' (1800 mm)  | 050 144   | 5  |
| 8' (2400 mm)  | 050 145   | 5  |
| 10' (3000 mm) | 050 146   | 5  |
| 12' (3600 mm) | 050 147   | 5  |
| 16' (4800 mm) | 050 148   | 5  |
|               |           |    |

Screws not included - recommend #6 Flat Head

10.14 www.hettich.com

## **BF150 Folding Series**

#### Single track 150E



| Length        | Order no. | PU   |
|---------------|-----------|------|
| 4' (1200 mm)  | 113 443 1 | each |
| 5' (1500 mm)  | 113 443 2 | each |
| 6' (1800 mm)  | 113 443 3 | each |
| 8' (2400 mm)  | 113 443 4 | each |
| 10' (3000 mm) | 113 443 5 | each |
| 12' (3600 mm) | 113 443 6 | each |
| 16' (4800 mm) | 113 443 7 | each |

Screws not included - recommend #10 Pan Head

#### BF150 Pivot plate assembly

Sold in BF150 Hardware sets only.

Available separately as replacement part.



| Article              | Order no. | PU |
|----------------------|-----------|----|
| Pivot Plate Assembly | 113 516 6 | 1  |

#### BF150 Plunger spring assembly

Sold in BF150 Hardware sets only.

Available separately as replacement part.



| Article                 | Order no. | PU |
|-------------------------|-----------|----|
| Plunger spring assembly | 113 516 5 | 1  |

#### Grant Carrier 150E with top plate

four ball bearing wheels steel, spring loaded quick release top plate screws included



| Article                  | Order no. | PU |
|--------------------------|-----------|----|
| Carrier 150E w/top plate | 113 516 3 | 10 |

#### BF150 Floor cam assembly

BF150 Hardware sets only.

Available separately as replacement part.



| Article            | Order no. | PU |
|--------------------|-----------|----|
| Floor cam assembly | 113 516 4 | 1  |

#### Guide roller 1221 (adjustable)

Used with recessed no. 1222 guide channel. Attached to bottom of lead doors and runs in guide channel.

Dimensions:

plate  $- \frac{3}{4}$ " (width) x  $3\frac{1}{2}$ " x  $\frac{3}{32}$ " (thick) 19 mm (width) x 88.9 mm x 2.4 (thick) mm post  $- \frac{2^{1}}{2}$ " x  $\frac{5}{16}$ " (diameter)

63.5 mm x 7.9 mm (diameter)

guide roller –  $^{13}/_{32}$ " (height) x  $^{1}/_{2}$ " (diameter) 10.3 mm (height) x 12.7 mm (diameter)

Material

electro zinc plated cold rolled steel

Screws included

| Article           | Order no. | PU |
|-------------------|-----------|----|
| Guide roller 1221 | 050 141   | 20 |

#### Continuous guide channel 1222

Used with no. 1211 guide roller. Mortised into floor or suface mounted.

Dimensions:

5/8" x 3/4" (16 x 19 mm)

Material

0.093 thick extruded aluminum

| Length        | Order no. | PU |
|---------------|-----------|----|
| 4' (1200 mm)  | 050 142   | 5  |
| 5' (1500 mm)  | 050 143   | 5  |
| 6' (1800 mm)  | 050 144   | 5  |
| 8' (2400 mm)  | 050 145   | 5  |
| 10' (3000 mm) | 050 146   | 5  |
| 12' (3600 mm) | 050 147   | 5  |
| 16' (4800 mm) | 050 148   | 5  |
|               |           |    |

Screws not included - recommend #6 Flat Head

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## **Sheaves and Tracks**

Sheave 20

for  $^3/4$ " [19 mm] min. door thickness for 50 lbs [23 kg] doors



| Finish                         | Order no. | PU |
|--------------------------------|-----------|----|
| Wheel - brass, housing - brass | 050 452   | 12 |
| Wheel - nylon, housing - brass | 050 453   | 12 |
| Wheel - nylon, housing - steel | 050 454   | 12 |
| Wheel - brass, housing - steel | 050 455   | 12 |

Screws included

Track 20 for use with Sheave 20

| er no. PU |
|-----------|
| 0 433 5   |
| 0 434 5   |
| 0 435 5   |
| 0 436 5   |
| 0 440 5   |
| 0 441 5   |
| 0 443 5   |
|           |

Screws not included - recommend #2 Flat Head, pre-drilled holes

Sheave 18 for 1" [25.4 mm] min. door thickness for 125 lbs [91 kg] doors



| Article                        | Order no. | PU |
|--------------------------------|-----------|----|
| Wheel - nylon, housing - zamac | 113 552 5 | 12 |

Screws included

Track 18

for use with Sheave 18



| Article       | Finish          | Order no. | PU |
|---------------|-----------------|-----------|----|
| 6' (1800 mm)  | brass           | 050 424   | 5  |
| 8' (2400 mm)  | brass           | 050 425   | 5  |
| 12' (3600 mm) | brass           | 050 427   | 5  |
| 6' (1800 mm)  | stainless steel | 050 428   | 5  |
| 8' (2400 mm)  | stainless steel | 050 429   | 5  |
| 10' (3000 mm) | stainless steel | 050 430   | 5  |
| 12' (3600 mm) | stainless steel | 050 431   | 5  |
|               |                 |           |    |

Screws not included - recommend #2 Flat Head, pre-drilled holes

#### Sheave 14

for  $1^{1}/4^{"}$  [31.8 mm] min. door thickness for 200 lbs [91 kg] doors



| Article                        | Order no. | PU |
|--------------------------------|-----------|----|
| Wheel - nylon, housing - zamac | 113 552 6 | 12 |

Screws included

Track 14



| Length        | Finish | Order no. | PU |
|---------------|--------|-----------|----|
| 6' (1800 mm)  | bronze | 050 175   | 5  |
| 8' (2400 mm)  | bronze | 050 176   | 5  |
| 10' (3000 mm) | bronze | 050 177   | 5  |
| 12' (3600 mm) | bronze | 050 178   | 5  |

Screws not included - recommend #4 Flat Head, pre-drilled holes

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| 050 101            | 2.3           | 050 127            | 7.11          | 050 145            | 10.14         | 050 430            | 8.2          | 050 462            | 2.3         |
| 050 101            | 2.5           | 050 127            | 10.7          | 050 145            | 10.15         | 050 430            | 10.16        | 050 462            | 2.5         |
| 050 101            | 2.7           | 050 127            | 10.11         | 050 146            | 7.5           | 050 431            | 8.2          | 050 462            | 10.1        |
| 050 101            | 2.9           | 050 138            | 7.12          | 050 146            | 7.9           | 050 431            | 10.16        | 050 464            | 2.3         |
| 050 101            | 2.11          | 050 138            | 9.1           | 050 146            | 7.9.4         | 050 433            | 8.1          | 050 464            | 2.5         |
| 050 101            | 2.13          | 050 138            | 10.3          | 050 146            | 7.12          | 050 433            | 10.16        | 050 464            | 10.1        |
| 050 101            | 2.5.2         | 050 138            | 10.6          | 050 146            | 9.1           | 050 434            | 8.1          | 050 466            | 5.3         |
| 050 101            | 9.1           | 050 138            | 10.12         | 050 146            | 10.3          | 050 434            | 10.16        | 050 466            | 5.5         |
| 050 101            | 10.2          | 050 139            | 2.15          | 050 146            | 10.6          | 050 435            | 8.1          | 050 466            | 10.1        |
| 050 101            | 10.5          | 050 139            | 10.7          | 050 146            | 10.12         | 050 435            | 10.16        | 050 467            | 5.3         |
| 050 102            | 5.3           | 050 140            | 2.17          | 050 146            | 10.13         | 050 436            | 8.1          | 050 467            | 5.5         |
| 050 102            | 5.5           | 050 140            | 10.7          | 050 146            | 10.14         | 050 436            | 10.16        | 050 468            | 5.3         |
| 050 102            | 5.5.2         | 050 141            | 7.5           | 050 146            | 10.15         | 050 440            | 8.1          | 050 468            | 5.5         |
| 050 102            | 5.5.4         | 050 141            | 7.9           | 050 147            | 7.5           | 050 440            | 10.16        | 050 468            | 10.1        |
| 050 102            | 6.3           | 050 141            | 7.9.4         | 050 147            | 7.9           | 050 441            | 8.1          | 050 469            | 5.3         |
| 050 102            | 9.2           | 050 141            | 7.12          | 050 147            | 7.9.4         | 050 441            | 10.16        | 050 469            | 5.5         |
| 050 102            | 10.2          | 050 141            | 9.1           | 050 147            | 7.12          | 050 443            | 8.1          | 050 469            | 10.1        |
| 050 103            | 5.7           | 050 141            | 10.3          | 050 147            | 9.1           | 050 443            | 10.16        | 050 470            | 5.3         |
| 050 103            | 5.15          | 050 141            | 10.6          | 050 147            | 10.3          | 050 448            | 2.15         | 050 470            | 5.5         |
| 050 103            | 6.5           | 050 141            | 10.12         | 050 147            | 10.6          | 050 448            | 2.17         | 050 470            | 10.1        |
| 050 103            | 9.2           | 050 141            | 10.13         | 050 147            | 10.12         | 050 448            | 3.11         | 050 471            | 5.3         |
| 050 103            | 10.2          | 050 141            | 10.14         | 050 147            | 10.13         | 050 448            | 8.1          | 050 471            | 5.5         |
| 050 104            | 5.11          | 050 141            | 10.15         | 050 147            | 10.14         | 050 448            | 9.1          | 050 471            | 10.1        |
| 050 104<br>050 104 | 5.17<br>6.7   | 050 142            | 7.5<br>7.9    | 050 147<br>050 148 | 10.15<br>7.5  | 050 448<br>050 448 | 10.2<br>10.5 | 050 472            | 5.3         |
| 050 104            | 9.2           | 050 142<br>050 142 |               | 050 148            | 7.5<br>7.9    | 050 448            | 10.5         | 050 472            | 5.5         |
| 050 104            | 5.13          | 050 142            | 7.9.4         | 050 148            | 7.9<br>7.9.4  | 050 448            | 10.7         | 050 472            | 10.1<br>6.3 |
| 050 105            | 6.9           | 050 142            | 7.12<br>9.1   | 050 148            | 7.9.4<br>7.12 | 050 448            | 2.15         | 050 475<br>050 475 | 10.1        |
| 050 105            | 9.2           | 050 142            | 10.3          | 050 148            | 9.1           | 050 449            | 2.13         | 050 475            | 6.3         |
| 050 105            | 5.9           | 050 142            | 10.5          | 050 148            | 10.3          | 050 449            | 3.11         | 050 477            | 10.1        |
| 050 106            | 9.2           | 050 142            | 10.12         | 050 148            | 10.6          | 050 449            | 8.1          | 050 519            | 2.7         |
| 050 120            | 10.2          | 050 142            | 10.12         | 050 148            | 10.12         | 050 449            | 9.1          | 050 519            | 2.9         |
| 050 120            | 10.6          | 050 142            | 10.14         | 050 148            | 10.13         | 050 449            | 10.2         | 050 519            | 2.11        |
| 050 121            | 2.15          | 050 142            | 10.15         | 050 148            | 10.14         | 050 449            | 10.5         | 050 519            | 2.13        |
| 050 121            | 2.17          | 050 143            | 7.5           | 050 148            | 10.15         | 050 449            | 10.7         | 050 519            | 10.3        |
| 050 121            | 7.11          | 050 143            | 7.9           | 050 149            | 7.12          | 050 449            | 10.10        | 050 520            | 2.7         |
| 050 121            | 10.7          | 050 143            | 7.9.4         | 050 149            | 10.11         | 050 450            | 2.15         | 050 520            | 2.9         |
| 050 121            | 10.11         | 050 143            | 7.12          | 050 150            | 7.12          | 050 450            | 2.17         | 050 520            | 2.11        |
| 050 122            | 2.15          | 050 143            | 9.1           | 050 150            | 10.11         | 050 450            | 3.11         | 050 520            | 2.13        |
| 050 122            | 2.17          | 050 143            | 10.3          | 050 151            | 7.11          | 050 450            | 8.1          | 050 520            | 10.3        |
| 050 122            | 7.11          | 050 143            | 10.6          | 050 160            | 7.12          | 050 450            | 9.1          | 050 521            | 2.7         |
| 050 122            | 10.7          | 050 143            | 10.12         | 050 160            | 10.11         | 050 450            | 10.2         | 050 521            | 2.9         |
| 050 122            | 10.11         | 050 143            | 10.13         | 050 161            | 7.12          | 050 450            | 10.5         | 050 521            | 2.11        |
| 050 123            | 2.15          | 050 143            | 10.14         | 050 161            | 10.11         | 050 450            | 10.7         | 050 521            | 2.13        |
| 050 123            | 2.17          | 050 143            | 10.15         | 050 173            | 7.12          | 050 450            | 10.10        | 050 521            | 10.3        |
| 050 123            | 7.11          | 050 144            | 7.5           | 050 173            | 10.11         | 050 451            | 2.15         | 050 522            | 2.7         |
| 050 123            | 10.7          | 050 144            | 7.9           | 050 174            | 10.14         | 050 451            | 2.17         | 050 522            | 2.9         |
| 050 123            | 10.11         | 050 144            | 7.9.4         | 050 175            | 8.2           | 050 451            | 3.11         | 050 522            | 2.11        |
| 050 124            | 2.15          | 050 144            | 7.12          | 050 175            | 10.16         | 050 451            | 8.1          | 050 522            | 2.13        |
| 050 124            | 2.17          | 050 144            | 9.1           | 050 176            | 8.2           | 050 451            | 9.1          | 050 522            | 10.3        |
| 050 124            | 7.11          | 050 144            | 10.3          | 050 176            | 10.16         | 050 451            | 10.2         | 050 523            | 2.7         |
| 050 124            | 10.7          | 050 144            | 10.6          | 050 177            | 8.2           | 050 451            | 10.5         | 050 523            | 2.9         |
| 050 124            | 10.11         | 050 144            | 10.12         | 050 177            | 10.16         | 050 451            | 10.7         | 050 523            | 2.11        |
| 050 125            | 2.15          | 050 144            | 10.13         | 050 178            | 8.2           | 050 451            | 10.10        | 050 523            | 2.13        |
| 050 125            | 2.17          | 050 144            | 10.14         | 050 178            | 10.16         | 050 452            | 8.1          | 050 523            | 10.3        |
| 050 125            | 7.11          | 050 144            | 10.15         | 050 424            | 8.2           | 050 452            | 10.16        | 050 524            | 2.7         |
| 050 125            | 10.7          | 050 145            | 7.5           | 050 424            | 10.16         | 050 453            | 8.1          | 050 524            | 2.9         |
| 050 125            | 10.11         | 050 145            | 7.9           | 050 425            | 8.2           | 050 453            | 10.16        | 050 524            | 2.11        |
| 050 126            | 2.15          | 050 145            | 7.9.4         | 050 425            | 10.16         | 050 454            | 8.1          | 050 524            | 2.13        |
| 050 126            | 2.17          | 050 145            | 7.12          | 050 427            | 8.2           | 050 454            | 10.16        | 050 524            | 10.3        |
| 050 126            | 7.11          | 050 145            | 9.1           | 050 427            | 10.16         | 050 455            | 8.1<br>10.16 | 050 525            | 2.7         |
| 050 126<br>050 126 | 10.7<br>10.11 | 050 145            | 10.3          | 050 428<br>050 428 | 8.2<br>10.16  | 050 455            | 10.16        | 050 525            | 2.9         |
| 050 126            | 2.15          | 050 145<br>050 145 | 10.6<br>10.12 | 050 428            | 8.2           | 050 461<br>050 461 | 2.3<br>2.5   | 050 525            | 2.11        |
| 050 127            | 2.15          | 050 145            | 10.12         | 050 429            | 10.16         | 050 461            | 10.1         | 050 525            | 2.13        |
| 000 127            | 2.17          | 030 143            | 10.13         | 030 423            | 10.10         | 030 401            | 10.1         | 050 525            | 10.3        |

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| 050 526            | 5.9          | 050 545            | 6.5         | 050 565                | 6.7          | 113 333 8              | 2.11         | 113 337 6              | 5.17          |
| 050 526            | 5.15         | 050 545            | 10.4        | 050 565                | 6.9          | 113 333 8              | 2.13         | 113 337 7              | 5.17          |
| 050 526            | 10.3         | 050 546            | 6.5         | 050 565                | 10.5         | 113 333 8              | 5.7<br>5.9   | 113 337 8              | 6.9           |
| 050 527<br>050 527 | 5.7<br>5.9   | 050 546            | 10.4<br>6.7 | 050 566                | 2.13         | 113 333 8<br>113 333 8 | 5.9<br>5.11  | 113 337 9<br>113 338 0 | 6.9<br>6.9    |
| 050 527            | 5.15         | 050 548<br>050 548 | 10.4        | 050 566<br>050 566     | 5.15<br>5.17 | 113 333 8              | 5.13         | 113 338 0              | 6.9           |
| 050 527            | 10.3         | 050 546            | 6.7         | 050 566                | 10.5         | 113 333 8              | 5.15         | 113 338 2              | 6.7           |
| 050 528            | 5.7          | 050 549            | 10.4        | 113 327 0              |              | 113 333 8              | 5.17         | 113 338 3              | 6.7           |
| 050 528            | 5.9          | 050 550            | 6.7         | 113 327 0              |              | 113 333 8              | 6.5          | 113 338 4              | 6.7           |
| 050 528            | 5.15         | 050 550            | 10.4        | 113 327 1              | 2.17         | 113 333 8              | 6.7          | 113 338 5              | 6.7           |
| 050 528            | 10.3         | 050 551            | 6.7         | 113 327 1              | 7.11         | 113 333 8              | 6.9          | 113 403 9              | 3.11          |
| 050 529            | 5.7          | 050 551            | 10.4        | 113 327 1              | 10.7         | 113 333 8              | 10.5         | 113 403 9              | 10.10         |
| 050 529            | 5.9          | 050 552            | 6.7         | 113 327 1              | 10.11        | 113 333 9              | 2.7          | 113 404 0              | 3.11          |
| 050 529            | 5.15         | 050 552            | 10.4        | 113 327 2              | 2.15         | 113 333 9              | 2.9          | 113 404 0              | 10.10         |
| 050 529            | 10.3<br>5.7  | 050 553            | 6.7         | 113 327 3              | 2.15         | 113 333 9<br>113 333 9 | 2.11<br>2.13 | 113 404 1<br>113 404 1 | 3.11<br>10.10 |
| 050 530<br>050 530 | 5.7<br>5.9   | 050 553<br>050 555 | 10.4<br>6.9 | 113 327 4<br>113 327 5 | 2.15<br>2.15 | 113 333 9              | 2.13<br>5.7  | 113 404 1              | 3.11          |
| 050 530            | 5.15         | 050 555            | 10.4        | 113 327 6              |              | 113 333 9              | 5.9          | 113 404 2              | 10.10         |
| 050 530            | 10.3         | 050 556            | 6.9         | 113 327 8              | 2.17         | 113 333 9              | 5.11         | 113 404 3              | 3.11          |
| 050 531            | 5.7          | 050 556            | 10.4        | 113 327 9              | 2.17         | 113 333 9              | 5.13         | 113 404 3              | 10.10         |
| 050 531            | 5.9          | 050 557            | 6.9         | 113 328 0              |              | 113 333 9              | 5.15         | 113 404 4              | 3.11          |
| 050 531            | 5.15         | 050 557            | 10.4        | 113 328 1              | 2.17         | 113 333 9              | 5.17         | 113 404 4              | 10.10         |
| 050 531            | 10.3         | 050 558            | 6.9         | 113 328 2              |              | 113 333 9              | 6.5          | 113 407 6              | 3.11          |
| 050 532            | 5.7          | 050 558            | 10.4        | 113 328 3              | 2.17         | 113 333 9              | 6.7          | 113 407 6              | 10.10         |
| 050 532            | 5.9          | 050 559            | 6.9         | 113 328 4              |              | 113 333 9              | 6.9          | 113 413 3              | 3.3           |
| 050 532            | 5.15         | 050 559            | 10.4        | 113 328 5              |              | 113 333 9              | 10.5         | 113 413 3              | 10.8          |
| 050 532<br>050 533 | 10.3<br>5.11 | 050 560            | 6.9<br>10.4 | 113 328 6              |              | 113 334 0<br>113 334 1 | 2.7<br>2.7   | 113 413 4<br>113 413 4 | 3.3<br>10.8   |
| 050 533            | 5.13         | 050 560<br>050 561 | 2.7         | 113 328 7<br>113 328 8 | 7.11<br>7.11 | 113 334 1              | 2.7          | 113 413 5              | 3.3           |
| 050 533            | 5.17         | 050 561            | 2.9         | 113 328 9              |              | 113 334 3              | 2.11         | 113 413 5              | 10.8          |
| 050 533            | 10.4         | 050 561            | 2.11        | 113 329 0              |              | 113 334 4              | 2.11         | 113 413 6              | 3.3           |
| 050 534            | 5.11         | 050 561            | 2.13        | 113 329 1              | 7.11         | 113 334 5              | 2.13         | 113 413 6              | 10.8          |
| 050 534            | 5.13         | 050 561            | 5.7         | 113 329 2              |              | 113 334 6              | 2.13         | 113 413 7              | 3.3           |
| 050 534            | 5.17         | 050 561            | 5.9         | 113 329 3              | 7.11         | 113 334 7              | 2.13         | 113 413 7              | 10.8          |
| 050 534            | 10.4         | 050 561            | 5.11        | 113 329 4              | 7.11         | 113 334 8              | 2.13         | 113 413 8              | 3.7           |
| 050 535            | 5.11         | 050 561            | 5.13        | 113 331 7              |              | 113 334 9              | 2.13         | 113 413 8              | 10.9          |
| 050 535            | 5.13         | 050 561            | 5.15        | 113 331 8              | 5.3          | 113 335 0<br>113 335 0 | 5.7<br>6.5   | 113 413 9<br>113 413 9 | 3.7<br>10.9   |
| 050 535<br>050 535 | 5.17<br>10.4 | 050 561<br>050 561 | 5.17<br>6.5 | 113 331 9<br>113 332 0 | 5.3<br>5.3   | 113 335 0              | 5.7          | 113 414 0              | 3.7           |
| 050 536            | 5.11         | 050 561            | 6.7         | 113 332 0              | 5.3<br>5.3   | 113 335 1              | 5.7          | 113 414 0              | 10.9          |
| 050 536            | 5.13         | 050 561            | 6.9         | 113 332 1              | 2.5          | 113 335 3              | 5.7          | 113 414 1              | 3.7           |
| 050 536            | 5.17         | 050 561            | 10.6        | 113 332 3              | 2.5          | 113 335 4              | 5.9          | 113 414 1              | 10.9          |
| 050 536            | 10.4         | 050 562            | 2.15        | 113 332 4              |              | 113 335 5              | 5.9          | 113 414 2              | 3.7           |
| 050 537            | 5.11         | 050 562            | 2.17        | 113 332 5              | 5.5          | 113 335 6              | 5.9          | 113 414 2              | 10.9          |
| 050 537            | 5.13         | 050 562            | 2.5.4       | 113 332 5              |              | 113 335 7              | 5.9          | 113 414 5              | 3.3           |
| 050 537            | 5.17         | 050 562            | 3.3         | 113 332 6              |              | 113 335 8              | 5.13         | 113 414 6              | 3.7           |
| 050 537            | 10.4         | 050 562            | 3.7         | 113 332 7              |              | 113 335 8              | 6.9<br>5.13  | 113 418 1              | 2.17          |
| 050 538<br>050 538 | 5.11<br>5.13 | 050 562            | 9.1<br>10.2 | 113 332 8              |              | 113 335 9<br>113 336 0 | 5.13         | 113 421 1<br>113 421 1 | 3.3<br>10.8   |
| 050 538            | 5.13         | 050 562<br>050 562 | 10.2        | 113 332 9<br>113 333 0 |              | 113 336 1              | 5.13         | 113 421 1              | 3.3           |
| 050 538            | 10.4         | 050 562            | 10.7        | 113 333 0              | 6.3          | 113 336 2              | 5.13         | 113 421 2              | 10.8          |
| 050 539            | 5.11         | 050 562            | 10.9        | 113 333 3              |              | 113 336 3              | 5.11         | 113 421 3              | 3.7           |
| 050 539            | 5.13         | 050 563            | 2.7         | 113 333 3              |              | 113 336 3              | 6.7          | 113 421 3              | 10.9          |
| 050 539            | 5.17         | 050 563            | 5.7         | 113 333 4              |              | 113 336 4              | 5.11         | 113 421 4              | 3.7           |
| 050 539            | 10.4         | 050 563            | 5.9         | 113 333 4              | 5.3          | 113 336 5              | 5.11         | 113 421 4              | 10.9          |
| 050 540            | 6.5          | 050 563            | 5.13        | 113 333 4              |              | 113 336 6              | 5.11         | 113 424 5              | 3.3           |
| 050 540            | 10.4         | 050 563            | 6.5         | 113 333 6              |              | 113 336 7              | 5.11         | 113 424 5              | 3.7           |
| 050 541            | 6.5          | 050 563            | 6.9         | 113 333 6              |              | 113 336 8              | 5.15         | 113 424 5              | 10.8          |
| 050 541            | 10.4         | 050 563            | 10.5        | 113 333 6              |              | 113 336 9              | 5.15<br>5.15 | 113 424 5              | 10.9          |
| 050 542<br>050 542 | 6.5<br>10.4  | 050 564<br>050 564 | 2.9<br>10.5 | 113 333 7              |              | 113 337 0<br>113 337 1 | 5.15         | 113 424 6<br>113 424 6 | 3.3<br>10.8   |
| 050 542            | 6.5          | 050 565            | 2.11        | 113 333 7<br>113 333 7 |              | 113 337 1              | 5.15         | 113 424 0              | 3.7           |
| 050 543            | 10.4         | 050 565            | 5.9         | 113 333 7              |              | 113 337 3              | 5.17         | 113 424 7              | 10.9          |
| 050 544            | 6.5          | 050 565            | 5.11        | 113 333 8              |              | 113 337 4              | 5.17         | 113 425 8              | 3.3           |
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