

# FOLDING DOOR SYSTEM

# FD30-F

SLIDING & FOLDING DOOR HARDWARE

FOLDING DOOR SYSTEM ( MAX. 33 LBS PER PANEL )



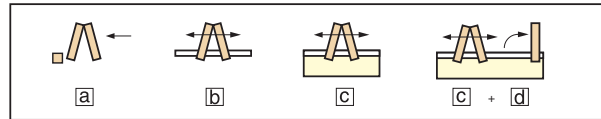
| Item No.       | FD30UKP                            | FD30URP                      | FD30UMP                    | FD30UP     |
|----------------|------------------------------------|------------------------------|----------------------------|------------|
| Application    | Standard Folding (One pivot fixed) | Slidable (for partition use) | Slidable (for cabinet use) | Swing Door |
|                |                                    |                              |                            |            |
| Door Width     | Max. 450 mm (17-3/4")              |                              |                            |            |
| Door Height    | Max. 2400 mm (94-1/2")             |                              |                            |            |
| Door Thickness | Min. 30 mm ( 1-3/16")              |                              |                            |            |
| Door Weight    | Max. 15 kg (33 lbs) per door panel |                              |                            |            |

| Parts Set (Per 2 doors) | Necessary Parts   |
|-------------------------|---|
|                         | Please refer to "Qty [a] ~ [d]" for parts included in each set.   |
| Item No.                | Description   |
| [a]                     | FD30UKP Pivoted Folding, Center Hinge (Surface Mount)             |
| [b]                     | FD30URP Slidable Folding, Center Hinge (Door Edge Recessed Mount) |
| [c]                     | FD30UMP Slidable Folding, Center Hinge (Back Side Recessed Mount) |
| [d]                     | FD30UP Pivoted Swing open (Single Panel)                          |

**Parts Included**

| No. | Qty   |       |       |      | Part Name / Item No.                     | Description   |
|-----|-------|-------|-------|------|--|---|
|     | a     | b     | c     | d    |  |   |
| 1   | 2 pcs | 2 pcs | -     | 1 pc | Upper Roller (Recessed Type)<br>FD30-WRH | • Material Zinc Alloy/Polyacetal<br>• Finish Chromate/Light Brown |
| 2   | -     | -     | 2 pcs | -    | Upper Roller (Side-Mount)<br>FD30-WRU    | • Material Steel/Polyacetal<br>• Finish Chromate/Brown            |
| 3   | 1 pc  | -     | -     | -    | Stopper Block<br>FD30-HSB                | • Material Polyacetal<br>• Finish Dark Brown                      |
| 4   | 1 pc  | -     | -     | 1 pc | Bottom Pin<br>FD30-FBP                   | • Material Steel/Polyacetal<br>• Finish Chromate/White            |
| 5   | -     | 2 pcs | 2 pcs | -    | Guide Pin<br>FD30-FGR                    | • Material Steel/Polyacetal<br>• Finish Chromate/White            |
| 6   | 1 pc  | 1 pc  | 1 pc  | 1 pc | Pin Insert Jig<br>FD30-FKPIJ             | -   |
| 7   | 1 pc  | -     | -     | 1 pc | Spanner Wrench<br>FD30-FSP               | -   |
| 8   | -     | -     | -     | 1 pc | Top Bracket<br>FD30-FSK                  | • Material Steel<br>• Finish Chromate                             |

**Configuration**



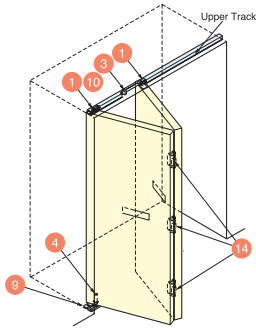
| No. | Qty   |       |       |      | Part Name / Item No.  | Description   |
|-----|-------|-------|-------|------|---|---|
|     | a     | b     | c     | d    |   |   |
| 9   | 1 pc  | -     | -     | -    | Pivot Bracket (Bottom)<br>FD30-FPU  | • Material Steel<br>• Finish Chromate                   |
| 10  | 1 pc  | -     | -     | 1 pc | Fixing Plate<br>FD30-FKK  | • Material Steel<br>• Finish Chromate                   |
| 11  | -     | 2 pc  | 2 pc  | -    | Upper Stopper<br>FD30-FTST  | • Material Steel/Polyacetal<br>• Finish Chromate/Brown  |
| 12  | -     | 2 pc  | 2 pc  | -    | Bottom Stopper<br>FD30-FBKS   | • Material Steel/Polyacetal<br>• Finish Chromate/Brown  |
| 13  | -     | -     | -     | 1 pc | Magnetic Catch<br>FD30-FMC  | • Material Steel/ABS Plastic<br>• Finish Chromate/Brown |
| 14  | 3 pcs | -     | -     | -    | Center Hinge (Surface Mount, Angle adjustable)<br>FD30-CHM                  | • Material Steel<br>• Finish Black                      |
| 15  | -     | -     | 3 pcs | -    | Center Hinge (Recess Mount, Angle adjustable, W/Detent Stop)<br>FD30-CHH    | • Material Steel<br>• Finish Black                      |
| 16  | -     | 3 pcs | -     | -    | Center Hinge (Door Edge Mount, Angle adjustable, W/Detent Stop)<br>FD30-CHK | • Material Zinc Alloy<br>• Finish Dark Brown            |

| Upper Track |                | Necessary Parts |                 |            |   |
|-------------|----------------|-----------------|-----------------|------------|---|
|             | Mounting       | Length          | Item No.        | Dimensions | Material / Finish   |
| 17          | Surface Mount  | 910 mm          | FD30-TRM910SIL  |            | <ul style="list-style-type: none"> <li>Material Aluminum</li> <li>Finish Anodized Silver</li> </ul> |
| 18          |                | 1820 mm         | FD30-TRM1820SIL |            |   |
| 19          |                | 2730 mm         | FD30-TRM2730SIL |            |   |
| 20          |                | 3640 mm         | FD30-TRM3640SIL |            |   |
| 21          | Recessed Mount | 910 mm          | FD30-TRH910SIL  |            | <ul style="list-style-type: none"> <li>Material Aluminum</li> <li>Finish Anodized Silver</li> </ul> |
| 22          |                | 1820 mm         | FD30-TRH1820SIL |            |   |
| 23          |                | 2730 mm         | FD30-TRH2730SIL |            |   |
| 24          |                | 3640 mm         | FD30-TRH3640SIL |            |   |

| Bottom Guide Track   |                      | Necessary Parts |                  |            |   |
|--|----------------------|-----------------|------------------|------------|---|
| *Must be ordered when using <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d |                      |                 |                  |            |   |
|  | Mounting             | Length          | Item No.         | Dimensions | Material / Finish   |
| 25   | Floor Surface Mount  | 910 mm          | FD30-FBRM910SIL  |            | <ul style="list-style-type: none"> <li>Material Aluminum</li> <li>Finish Anodized Silver</li> </ul> |
| 26   |                      | 1820 mm         | FD30-FBRM1820SIL |            |   |
| 27   |                      | 2730 mm         | FD30-FBRM2730SIL |            |   |
| 28   |                      | 3640 mm         | FD30-FBRM3640SIL |            |   |
| 29   | Floor Recessed Mount | 910 mm          | FD30-FBRH910SIL  |            | <ul style="list-style-type: none"> <li>Material Aluminum</li> <li>Finish Anodized Silver</li> </ul> |
| 30   |                      | 1820 mm         | FD30-FBRH1820SIL |            |   |
| 31   |                      | 2730 mm         | FD30-FBRH2730SIL |            |   |
| 32   |                      | 3640 mm         | FD30-FBRH3640SIL |            |   |

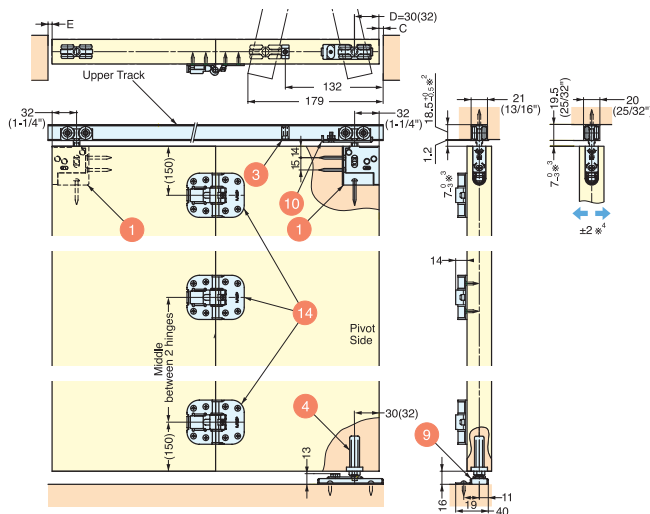
| Optional Parts |             |                            |              |   |
|----------------|-------------|----------------------------|--------------|---|
| No.            | Item No.    | Part Name                  | Installation | Description   |
| 33             | FD30-WRH-CP | End Cap (For Rollers)      |              | <ul style="list-style-type: none"> <li>Material Polypropylene</li> <li>Finish Brown</li> <li>*For roller <b>1</b></li> </ul>  |
| 34             | FD30-FMF    | Door End Holder (Magnetic) |              | <ul style="list-style-type: none"> <li>Material Polycarbonate Neodymium</li> <li>Finish Dark Brown</li> </ul>   |
| 35             | FD30-FTF    | Door End Holder (Pin)      |              | <ul style="list-style-type: none"> <li>Material Polyamide / Steel</li> <li>Finish White / Chromate</li> </ul>   |
| 36             | FD30-FHL    | Latch Unit                 |              | <ul style="list-style-type: none"> <li>Material Polyacetal</li> <li>Finish Dark Brown</li> <li>*To be used when ordering <input type="checkbox"/> c + <input type="checkbox"/> d</li> </ul> |

**a** Pivoted Folding, Center Hinge - Surface Mount



• Center Hinge has angle adjustment, detent stop feature and mounted on surface at back side of door for easy installation.

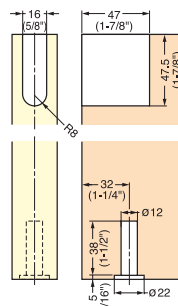
■ Installation Example  
(In case of 1-9/16" thick, 17-3/4" wide door)



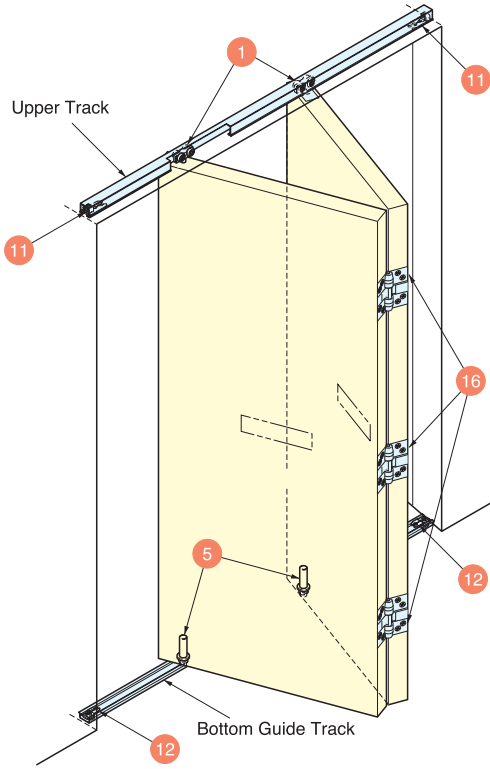
■ Gap - Door and Frame

| Door Thickness | C=Gap | Gap total : C + E |           |           |           |
|----------------|-------|-------------------|-----------|-----------|-----------|
|                |       | Width 300         | Width 350 | Width 400 | Width 450 |
| 30             | 4.0   | 7.5               | 7.0       | 6.7       | 6.4       |
| 35             | 5.2   | 9.5               | 8.9       | 8.5       | 8.2       |
| 40             | 6.5   | 11.7              | 11.0      | 10.5      | 10.1      |

■ Door Preparation

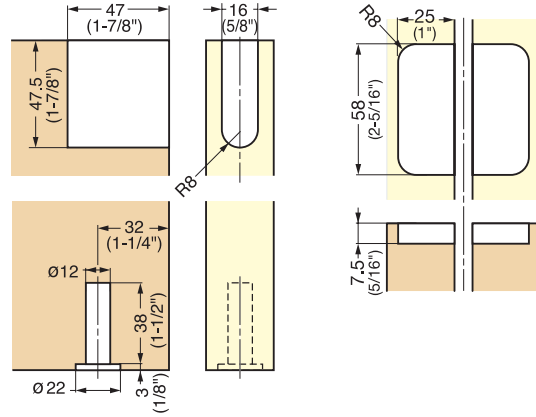


**b** Slidable Folding, Center Hinge – Door Edge Recessed Mount



- Center Hinge has angle adjustment, detent stop feature and mounted in recess at door edge which is invisible from both side.
- Detent center hinge allows the folding door to slide freely for easy access and to maximize the space.

■ Door Preparation

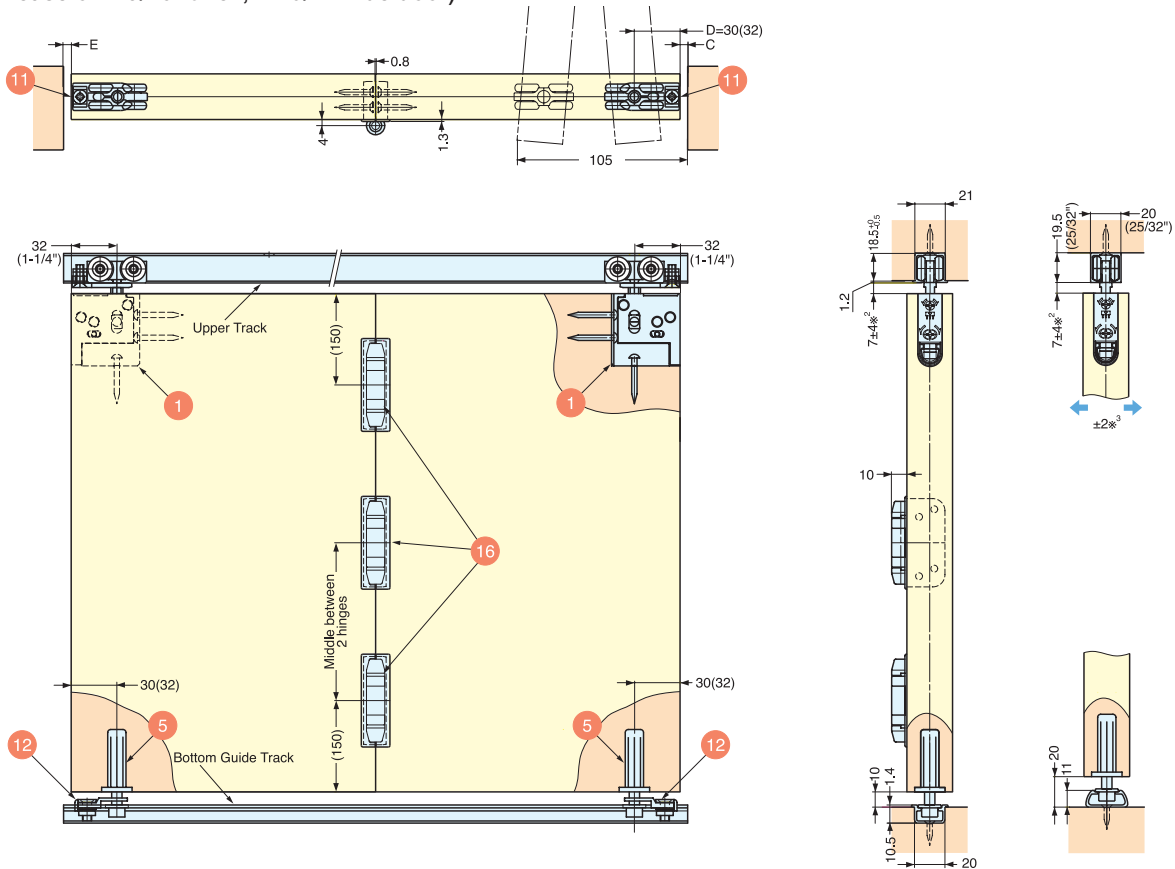


■ Gap - Door and Frame

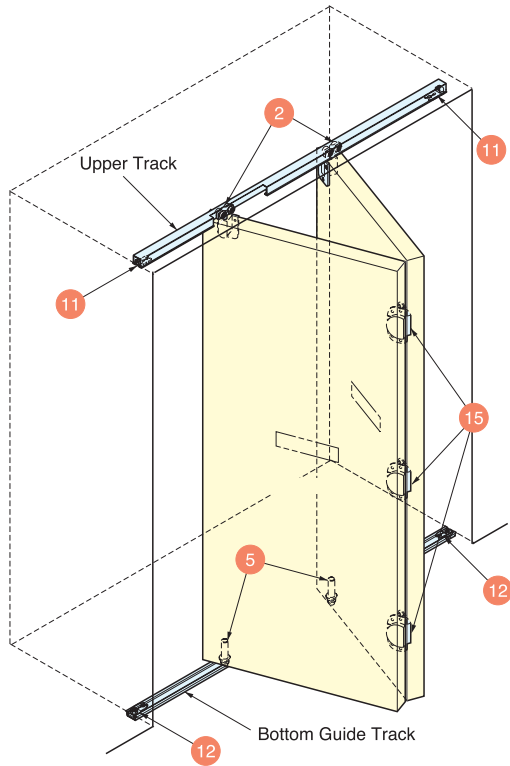
| Door Thickness | C=Gap | Gap total : C + E |           |           |           |
|----------------|-------|-------------------|-----------|-----------|-----------|
|                |       | Width 300         | Width 350 | Width 400 | Width 450 |
| 30             | 4.0   | 7.5               | 7.0       | 6.7       | 6.4       |
| 35             | 5.2   | 9.5               | 8.9       | 8.5       | 8.2       |
| 40             | 6.5   | 11.7              | 11.0      | 10.5      | 10.1      |

■ Installation Example

(In case of 1-9/16" thick, 17-3/4" wide door)



**C** Slidable Folding, Center Hinge – Back Side Recessed Mount



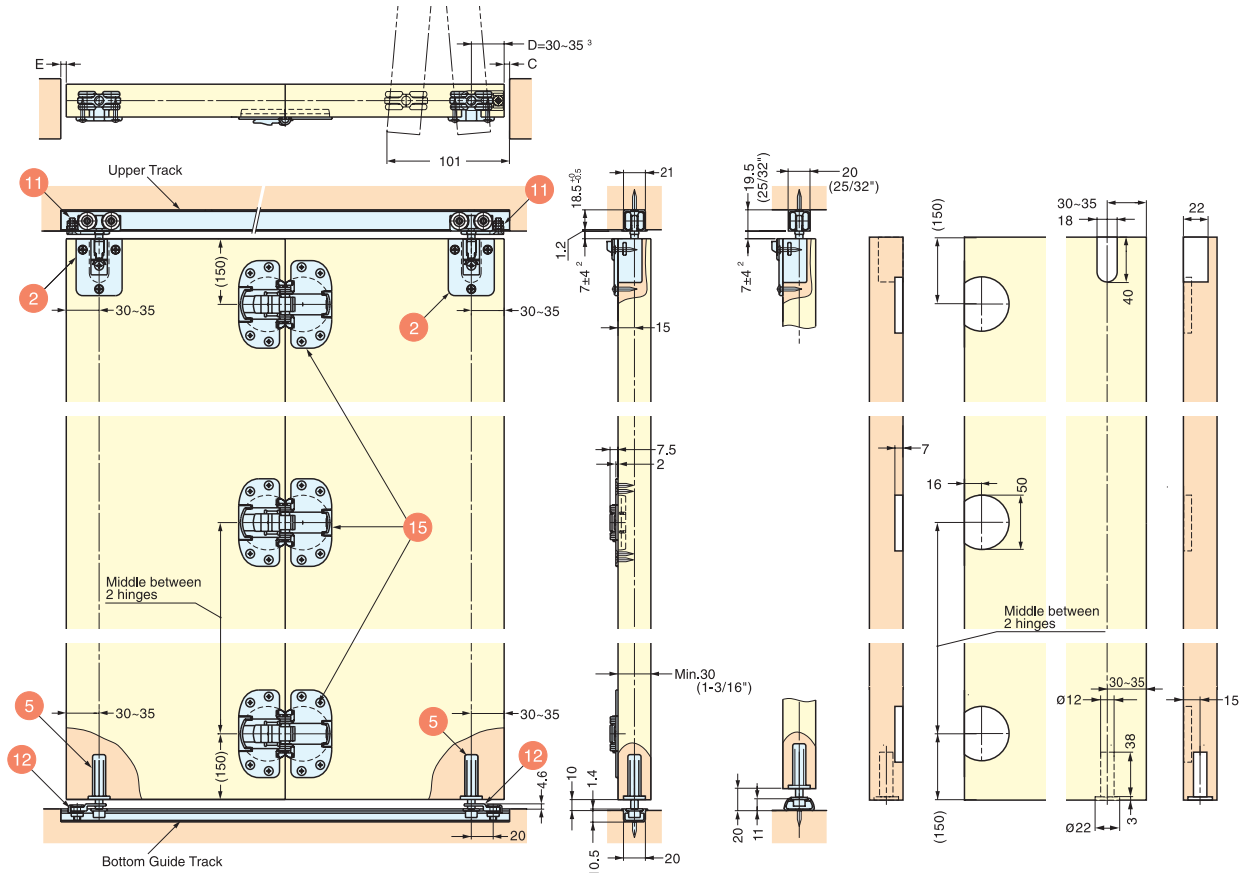
- Center Hinge has angle adjustment, detent stop feature and mounted in recess at back side of door.
- Detent center hinge allows the folding door to slide freely for easy access and to maximize the space.

■ Gap - Door and Frame

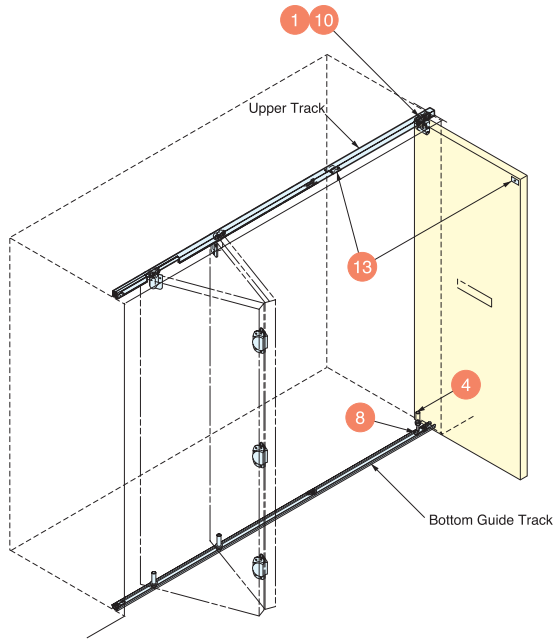
| Door Thickness | C=Gap | Gap total : C + E |           |           |           |
|----------------|-------|-------------------|-----------|-----------|-----------|
|                |       | Width 300         | Width 350 | Width 400 | Width 450 |
| 30             | 3.6   | 6.0               | 5.7       | 5.5       | 5.3       |
| 35             | 5.8   | 8.8               | 8.4       | 8.1       | 7.9       |
| 40             | 12.0  | 12.0              | 11.6      | 11.2      | 11.0      |

■ Installation Example

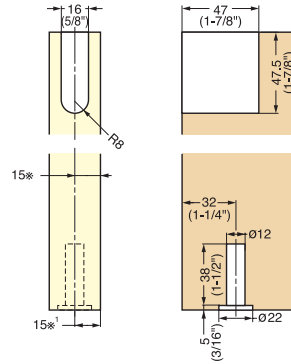
(In case of 1-9/16" thick, 17-3/4" wide door)



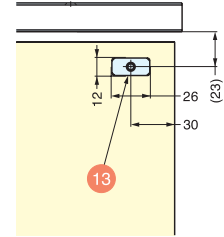
**d** Pivoted Swing open (Single Panel)



■ Door Preparation



■ Preparation for counter plate

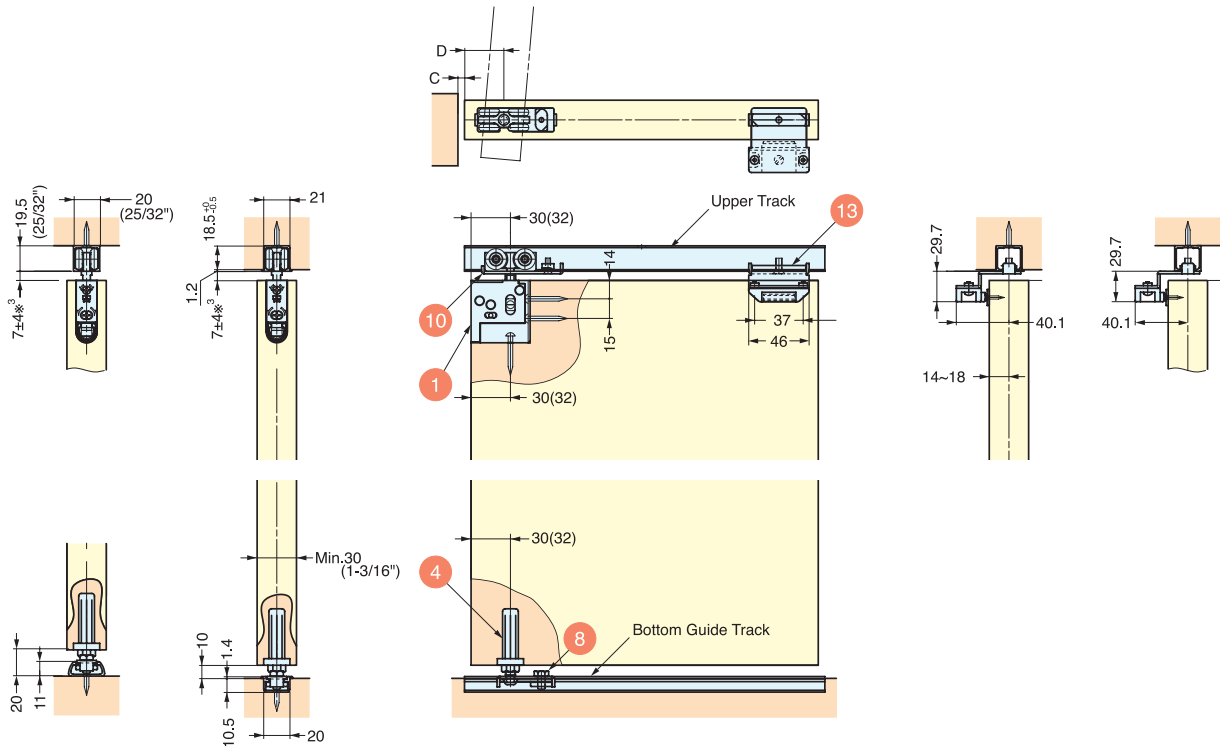


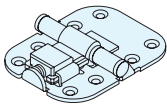
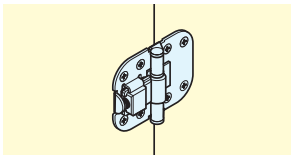
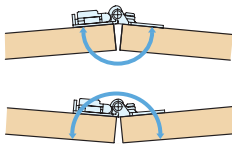
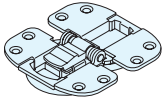
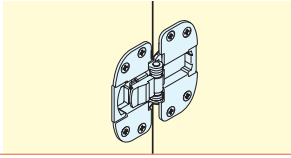
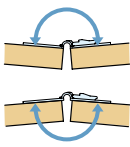
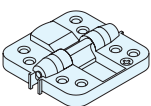
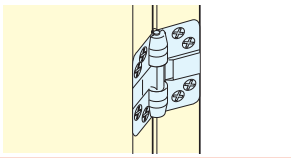
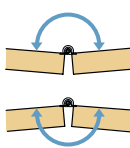
■ Gap - Door and Frame

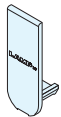
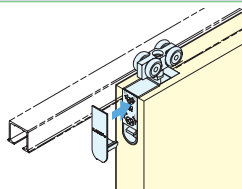

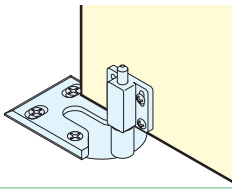
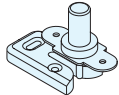
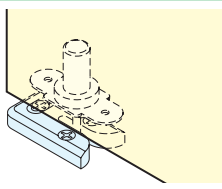
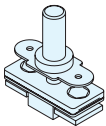
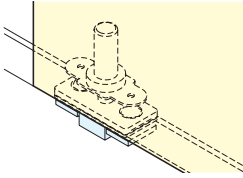
| Door Thickness | C=Gap (In Case D = 30) |
|----------------|------------------------|
| 30             | 4.0                    |
| 35             | 5.2                    |
| 40             | 6.5                    |

SLIDING & FOLDING DOOR HARDWARE

FOLDING DOOR SYSTEM ( MAX. 33 LBS PER PANEL )



| Center Hinge - Details |   |   |  |           |
|------------------------|---|---|--|-----------|
| No.                    | Item No.  | Installation  | Angle Adjustment   | Detent    |
| 14                     | <br>FD30-CHM | Surface Mount<br>            |  | 37° angle |
| 15                     | <br>FD30-CHH | Back Side Recessed Mount<br> |  | 50° angle |
| 16                     | <br>FD30-CHK | Door Edge Recessed Mount<br> |  | 47° angle |

| Optional Parts - Details |  |   |  |   |
|--------------------------|--|---|--|---|
| No.                      | Part Name / Item No.   | Installation  | Specification  | Description   |
| 33                       | End Cap<br>(For Rollers)<br><br><br>FD30-WRH-CP   |  | Cover Cap for Upper Roller ①   | <ul style="list-style-type: none"> <li>• Material Polypropylene</li> <li>• Finish Brown</li> </ul>                |
| 34                       | Door End Holder<br>(Magnetic)<br><br><br>FD30-FMF |  | Prevents door racking when door is closed, especially in double doors              | <ul style="list-style-type: none"> <li>• Material Polycarbonate Neodymium</li> <li>• Finish Dark Brown</li> </ul> |
| 35                       | Door End Holder<br>(Pin)<br><br><br>FD30-FTF      |  | Prevents door racking when door is closed, especially in double doors              | <ul style="list-style-type: none"> <li>• Material Polyamide / Steel</li> <li>• Finish White / Chromate</li> </ul> |
| 36                       | Latch Unit<br><br><br>FD30-FHL                    |  | To hold the door close in [d] configuration, to be installed on bottom guide track | <ul style="list-style-type: none"> <li>• Material Polypropylene</li> <li>• Finish Brown</li> </ul>                |