## 110° hinge

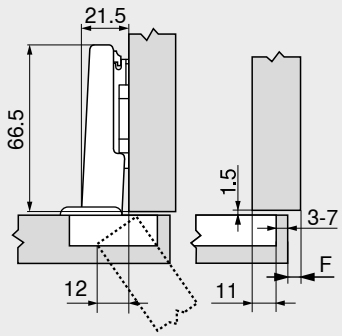
Web code DQDELA

### Planning

**Hinge dimensions and gap calculation based on factory setting (mounting plate spacing = 0 mm)**

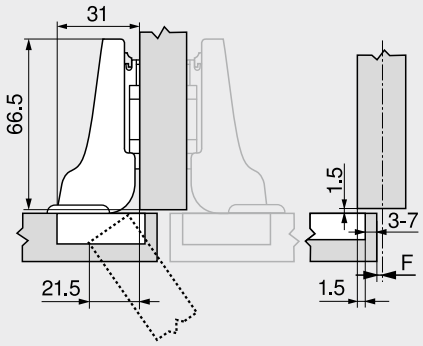
Hinge and front protrusion at full opening angle

#### Overlay application

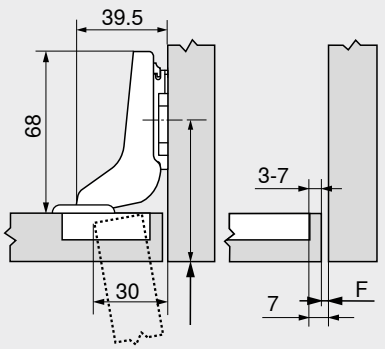



F Gap

#### Dual application




#### Inset application




Move back fixing position of mounting plate by front thickness FD +1.5 mm

### Drilling distance TB

| MD | Front overlay FA (mm) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 0 | | | | | | | | | | 3 | 4 | 5 | 6 | 7 |
| 3 | | | | | | | 3 | 4 | 5 | 6 | 7 | | | |
| 6 | | | | 3 | 4 | 5 | 6 | 7 | | | | | | |
| 9 | 3 | 4 | 5 | 6 | 7 | | | | | | | | | |

MD Mounting plate spacing (mm)

| MD | Front overlay FA (mm) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | -4.5 | -3.5 | -2.5 | -1.5 | -0.5 | 0.5 | 1.5 | 2.5 | 3.5 | 4.5 | 5.5 | 6.5 | 7.5 | 8.5 |
| 0 | | | | | | | | | | 3 | 4 | 5 | 6 | 7 |
| 3 | | | | | | | 3 | 4 | 5 | 6 | 7 | | | |
| 6 | | | | 3 | 4 | 5 | 6 | 7 | | | | | | |
| 9 | 3 | 4 | 5 | 6 | 7 | | | | | | | | | |

MD Mounting plate spacing (mm)

| MD | Front overlay FA (mm) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | –7 | –6 | –5 | –4 | –3 | –2 | –1 | 0 | |
| 0 | | | | 3 | 4 | 5 | 6 | 7 | |
| 3 | 3 | 4 | 5 | 6 | 7 | | | | |
| 6 | | | | | | | | | |
| 9 | | | | | | | | | |

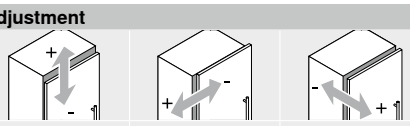
MD Mounting plate spacing (mm)

### Minimum gap F for fronts with a front radius (R = 1 mm) based on the factory setting

| Drilling distance TB (mm) | Front thickness FD (mm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 16 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 28 | 30 |
| 3 | 0.5 | 0.8 | 1.0 | 1.2 | 1.5 | 1.8 | 2.2 | 2.7 | 3.5 | 4.3 | △ | △ |
| 4 | 0.5 | 0.8 | 1.0 | 1.2 | 1.4 | 1.7 | 2.0 | 2.5 | 3.1 | 3.8 | △ | △ |
| 5 | 0.5 | 0.8 | 0.9 | 1.2 | 1.4 | 1.7 | 2.0 | 2.4 | 2.9 | 3.4 | △ | △ |
| 6 | 0.5 | 0.8 | 0.9 | 1.2 | 1.3 | 1.6 | 1.9 | 2.3 | 2.7 | 3.2 | △ | △ |
| 7 | 0.5 | 0.8 | 0.9 | 1.1 | 1.3 | 1.6 | 1.9 | 2.2 | 2.6 | 3.0 | △ | △ |
| **Additional for +2 mm side adjustment** | | | | | | | | | | | | |
| | +0.2 | +0.4 | +0.4 | +0.5 | +0.5 | +0.5 | +0.5 | +0.5 | +0.5 | +0.5 | | |

△ In these cases a trial is recommended

### Adjustment

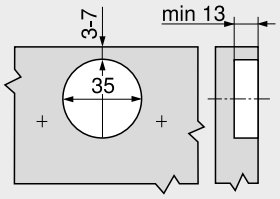



Max. ±3.0 mm
See mounting plates

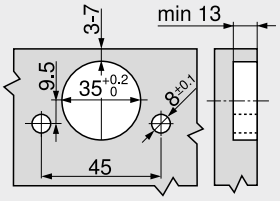
±2.0 mm

+3.0 mm
–2.0 mm

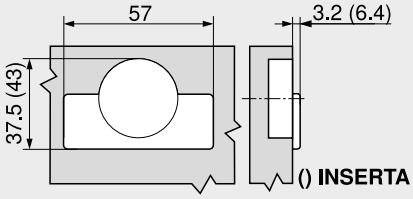
### Screw-on




### INSERTA | knock-in




### Hinge boss dimensions

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**Assembly, removal and adjustment**

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