

### Full Mortise Hinge (Fire Rated) Two & Four Ball Bearing



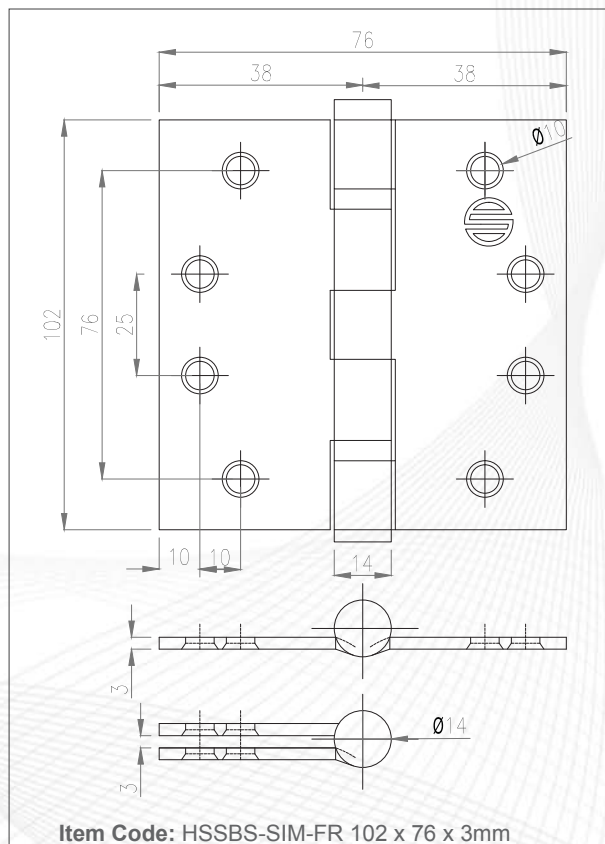
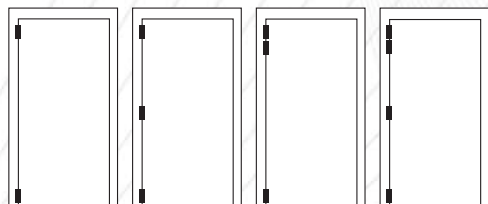
#### Specification advice:

- Two Ball bearing butt hinges standard weight, Template drill.
- Exceeds BS EN 1935 grade 13 (Severe Duty 120 kg Door Mass) equivalent to BS7352: 1990.Class 9.
- Tested in accordance with the new European specification EN 1935 Grade 13.
- Manufactured from Stainless Steel Grade 304 & Grade 316.
- Packed with stainless steel wood screws.
- Machine screws available on request for metal doors frames (MS).

#### Benefits

- **High performance** Ball bearing butt hinges are suitable for all types of internal and external applications. When used on fire doors, intumescent pack need to be applied for higher fire rating on wooden doors.
- **Fire Resistant:** Included in as successful fire test to BS EN Part 1:2000 and BS EN 1363-1 Part 1:1999. Assessed for use on 30 mins., 60 mins. & 90 mins. fire doors. Door Opening angle 180°.

#### Example



| Data and Features               | HSSBS-SIM-FR |          |           |           |
|---------------------------------|--------------|----------|-----------|-----------|
| Size in inch (Height x Width)   | 4 x 3        | 4 x 3.5  | 4 x 4     | 4.5 x 4   |
| Size in mm (Height x Width)     | 102 x 76     | 102 x 89 | 102 x 102 | 114 x 102 |
| Thickness in mm                 | 3            | 3        | 3         | 3         |
| Standard Doors                  | •            | •        | •         | •         |
| Fire and smoke check doors      | •            | •        | •         | •         |
| Non-handed                      | •            | •        | •         | •         |
| 5 Knuckles                      | •            | •        | •         | •         |
| Ball Bearing (2BB or 4BB)       | •            | •        | •         | •         |
| Butt hinge tested to BS EN 1935 | •            | •        | •         | •         |
| CE mark for building products   | •            | •        | •         | •         |
| Butt hinge tested to Certifire  | •            | •        | •         | •         |
| <b>Optional Pin Type</b>        |              |          |           |           |
| Non-removable pin (NRP)         | •            | •        | •         | •         |
| Removable pin (RP)              | •            | •        | •         | •         |
| Security Stud (SS)              | •            | •        | •         | •         |

| CLASSIFICATION CODE |   |   |   |   |   |    |
|---------------------|---|---|---|---|---|----|
| 4                   | 7 | 6 | 1 | 1 | 4 | 13 |

EN 1935:2002 / AC: 2003-CE



#### FINISHES

