Hinges and *hardware metals*: what to write on the schedule

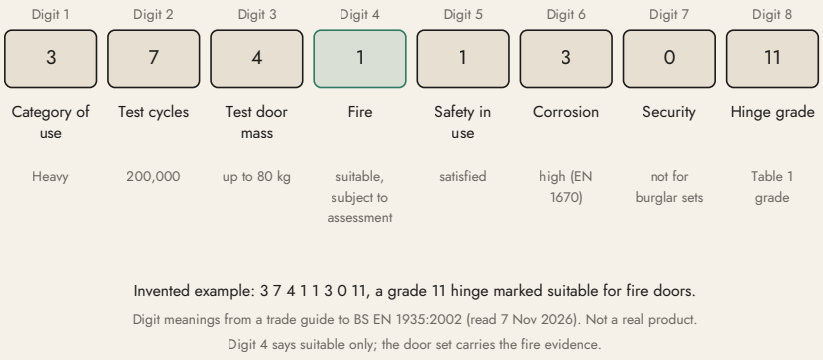
What to write on a hinge schedule so the hinge is the one priced, matches the handles and, on a fire door, is the certified one.

Compliance guidance. This is not fire-safety or engineering advice. The BS EN 1935 digits and the closer notes are taken from a trade guide to the 2002 edition, read on 7 November 2026; the standard itself was not read. A hinge on a fire door is part of a tested door set: do not substitute one without the door maker's written confirmation. Load ratings come from the hinge maker.

AT A GLANCE

Hinge type	Typical base metals	Typical finishes	Used for
Butt hinge (plain, ball-bearing or washered)	Steel, stainless steel, brass, bronze	Almost any plated, plated-then-lacquered, polished or satin finish	Heavy doors, joinery doors, fire doors where the hinge is rated
Concealed (cup and arm) hinge	Mostly steel, often nickel plated	Visible parts only: the cup, arm and cover are out of sight when shut	Cabinets and wardrobe doors
Pivot hinge or pivot set	Steel, stainless, brass	Visible plate only at the top and floor	Heavy or tall doors; the load path is through the floor or head
Piano (continuous) hinge	Steel, stainless, brass	Plated, satin or polished; full length shows	Lids, flaps, long narrow leaves
Flush-folding (butterfly) hinge	Steel, stainless, brass	Plated or satin	Folding screens and bifold doors
Fire door hinge	As rated: the hinge is part of the tested door set	Only the finishes the rating covers	Fire and smoke doors; the hinge is a certified component

Practice summary, not a standard. Typical bases and finishes are the common ones; a partner workshop or hinge maker confirms what is made for a given size and load.



The eight digits of the BS EN 1935 classification with an invented example. Not a real product. Original drawing by Make Bespoke Studio.

FIRE DOORS IN ONE LINE

The hinge is part of the tested door set. Name the hinge the door maker has evidence for, and treat any change of type, number, size, metal or finish as a change to the certified door until the maker or certifier confirms in writing.

SPECIFICATION WORDING

HINGE LINE ON THE DOOR SCHEDULE

Hinges: [maker], model [ref], [102 x 76 x 3] mm, base metal [stainless steel 304 / solid brass / steel], finish [satin / polished and lacquered / plated], [3] per leaf, with matching screws [length and head] in the same base metal and finish. BS EN 1935 classification [3 7 4 1 1 3 0 11] or better, from the hinge maker's data. The hinge maker's data sheet is submitted before ordering.

FINISH COORDINATION

Hinges, handles, escutcheons, screws and rails on [door ref] to be one finish, [finish name], approved on a sample board with the real hinge and handle side by side, against the approved sample dated [date]. Mixed base metals in contact are not accepted without [supplier]'s written confirmation of corrosion compatibility.

FIRE DOORS

Hinges on fire and smoke doors are those named in the certification of the door set: [door maker, certificate ref], [number] per leaf, [make and model]. No change of hinge type, number, size, metal or finish without the door maker's written confirmation. Hinge test evidence and fixing details are submitted with the door set certificate.

BESPOKE HINGES

Where a hinge is made to order, [supplier] states in writing, before quotation, the base metal and finish, the load and door mass it is made for, the cycles and corrosion grade it is expected to meet and the evidence for them, and what happens to the fire-door certification if it is used on a rated door.

TERMS USED

Butt hinge
Two leaves joined by a pin through a column of knuckles, fixed to the edge of a door and the frame.

Knuckle
One of the rolled sections of a hinge leaf that fit together around the pin.

Single-axis hinge
A hinge whose door turns about one fixed axis, as covered by BS EN 1935 (axis within 30 mm of the leaf face, as one trade listing summarises the scope).

Hinge grade
The last of the eight digits in the BS EN 1935 classification, 1 to 14, which combines use category, cycles and test door mass.

Continuous (piano) hinge
A hinge that runs the full length of the leaf edge.

STANDARDS AND SOURCES

- BS EN 1935:2002: BSI Knowledge, read 7 Nov 2026: Current, under review; 15 March 2002; identical to EN 1935:2002; no amendments listed. The standard was not read.
- Guide to interpreting markings for single axis fire door hinges (overview of BS EN 1935:2002): read in full 7 Nov 2026: eight digits, Table 1, closer notes. An older trade guide to the 2002 edition.
- BS EN 1670:2007: BSI Knowledge, Current, 31 May 2007, as summarised by a search listing; not read. Five corrosion grades, neutral salt spray test; its own notes say the salt-spray result is not a direct guide to service life.

Full guide: https://makebespoke.com/trade/technical/hinges-and-hardware-metals. Make Bespoke Studio coordinates manufacture through its partner workshops. Figures are guidance only and your specification governs; some may be superseded, so contact the studio to verify.