

Steel Butt Hinges HI-LOAD Range

Discontinued
Discontinued when stock = 0

HÄFELE

These hinges have obtained Certifire approval.
Maintenance free, 25 year performance guarantee.
All fixings for timber included.



Refer to pages 2-3 for information on BS EN 1935, hinge grades and classification

A Steel lift-off butt hinge

- Grade 13 BS EN 1935
- Maximum adjusted door weight 120 kg
- Minimum door thickness 44 mm
- 12.5 mm radius corners
- Maintenance free
- 25 year performance guarantee
- Certifire CF209 approved for fire doors
- 8 x 11/4" wood screws included
- Mild steel

BS EN 1935



Length x width	110 x 98 mm	
Closing direction	Clockwise	Anti-clockwise
Plated finish	Cat. No.	
Bright zinc	+ 926.88.145	+ 926.88.155
Satin zinc	926.88.149	926.88.159

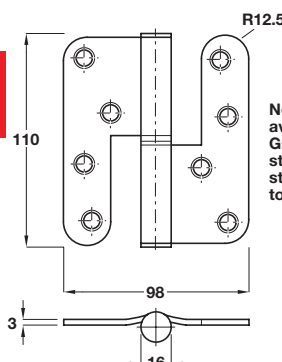
Order qty: 1 pc

Intumescent pads

Cat. No.	950.08.416
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Order qty: Multiples of 25 pcs (sufficient for 25 hinges)

Catalogue shows
12 wood screws
Correct qty is 8



Note: Also
available in
Grade 316
stainless
steel subject
to quantity



Polished stainless steel finish shown
Anti-clockwise closing shown

Important

- HI-LOAD hinges are very accurately manufactured with very little clearance or play. Ensure that the hinge halves are accurately fitted both vertically and laterally, and that the axis of the pins are in line.
- The HI-LOAD hinge should not need painting - if it is to be painted, on no account must the paint be allowed on to the bearing surfaces.
- The HI-LOAD hinge must not be stove or heated.
- When assembling the door to the frame take care not to damage the bronze bearing.
- For all fire doors, the hinges should be bedded in intumescent mastic in accordance with the manufacturers instructions or use preformed intumescent pads, where indicated.

Fixing instructions

Lift off hinges are handed.

Always fit the hinge part with the pin to the door frame, and with the pin pointing up.

- Mark out and cut mortice.
- Drill pilot holes, sized to suit the fixing screws and type of door frame material being screwed into (see table right).
- Ensure screws are fully tightened.
- No lubricant or maintenance is required.

Clearance and pilot holes for wood screws

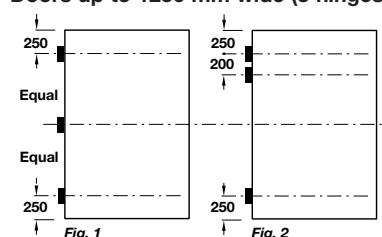
Screw size		Imperial (inch)			Metric (mm)		
Imperial	Metric	Clearance hole	Pilot hole		Clearance hole	Pilot hole	
swg	mm		softwood	hardwood		softwood	hardwood
0		1/16	Bradawl	1/32	1.60	Bradawl	0.80
1	2.0	5/64	Bradawl	1/32	2.00	Bradawl	0.80
2		3/32	Bradawl	3/64	2.40	Bradawl	1.20
3		7/64	Bradawl	1/16	2.80	Bradawl	1.60
4	2.5	7/64	Bradawl	1/16	2.80	Bradawl	1.60
5	3.0	1/8	Bradawl	5/64	3.20	Bradawl	2.00
6	3.5	9/64	1/16	5/64	3.60	1.60	2.00
7		5/32	1/16	3/32	4.00	1.60	2.40
8	4.0	11/64	5/64	3/32	4.50	2.00	2.40
9	4.5	3/16	5/64	7/64	5.00	2.00	2.80
10	5.0	3/16	3/32	7/64	5.00	2.40	2.80
11		13/64	3/32	1/8	5.50	2.40	3.20
12	5.5	7/32	7/64	1/8	5.50	2.80	3.20
	6.0	15/64	7/64	1/8	6.00	2.80	3.20
14	6.5	1/4	7/64	9/64	6.50	2.80	3.60
16	7.0	17/64	9/64	5/32	7.00	3.60	4.00
18	7.5	19/64	9/64	3/16	7.50	3.60	5.00
20	8.5	21/64	11/64	13/64	8.50	4.50	5.50
24	9.0	3/8	3/16	7/32	9.00	5.00	5.50

Hinge positioning

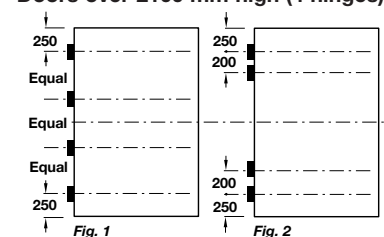
For maximum resistance to warping, position the hinges equal spacing. (Fig. 1).

For maximum load carrying capacity, fit 2 hinges high and 1 or 2 hinges low (Fig. 2).

Doors up to 1250 mm wide (3 hinges)



Doors over 2100 mm high (4 hinges)



11.09.14/2