

PROJECT CHECKLIST

Brickwork cladding support



A Project information:

Project: _____ HALFEN Project no.: _____

Project location: _____
Street, road
_____ *Postcode, Zipcode / Town, City*
_____ Quote Quantity enquiry Enquiry Costs for technical services: _____ €Customer: Trade Industry

Company: _____

Contact: _____

Phone: _____ e-mail: _____

General contractor: _____

Contact: _____

Phone: _____ e-mail: _____

Planner:

Contact: _____

Phone: _____ e-mail: _____

Structural engineer:

Contact: _____

Phone: _____ e-mail: _____

(Third party) Static inspector:

Contact: _____

Phone: _____ e-mail: _____

Engineering services:

-
- Position plan
-
- Construction plans
-
- Overview drawing
-
-
- Quantities
-
- Verifiable static documents
-
- Structural design proposal

Deadlines:Finalize quote by: _____ *Date*Finalize engineering plans by: _____ *Date*

Delivery date: _____

B Brickwork façades:

- Perforated brick Solid brick
 Brick format _____ × _____ × _____ cm
 Spec. weight γ : _____ kN/m³ [standard: $\gamma = 18$ kN/m³] Wall cavity a = _____ mm

C Fixing structure:

- Concrete Concrete strength C____ /____ Wall thickness d = _____ mm Compression zone concrete
 Tension zone concrete

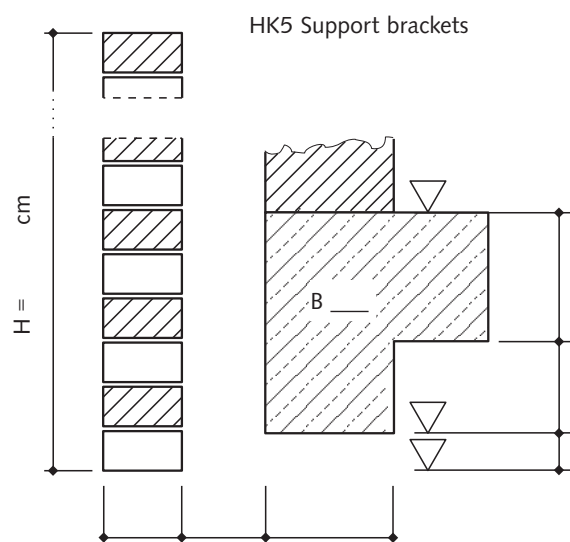
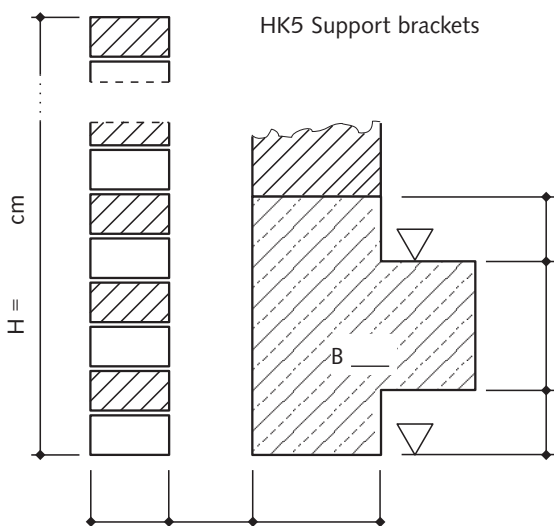
D Fixing system: Stainless steel A4 (W 1.4571/1.4401):

- Perforated brick
 Anchored in verified concrete compression zone: HALFEN HB-B Anchor bolt
 Anchored in concrete tension zone: e.g. HALFEN HB-BZ or HB-VMZ Anchor bolt
 Compression zones are determined on-site!

E Section views

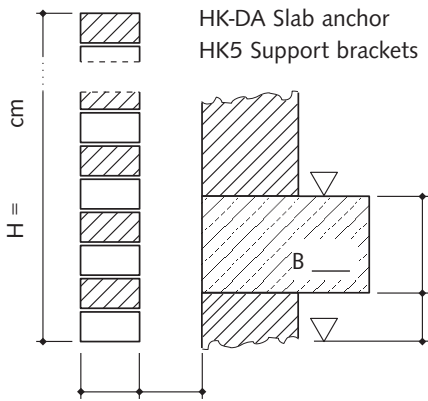
- Concrete slab with inverted/dropped beam; not offset

- Concrete slab with dropped beam; offset

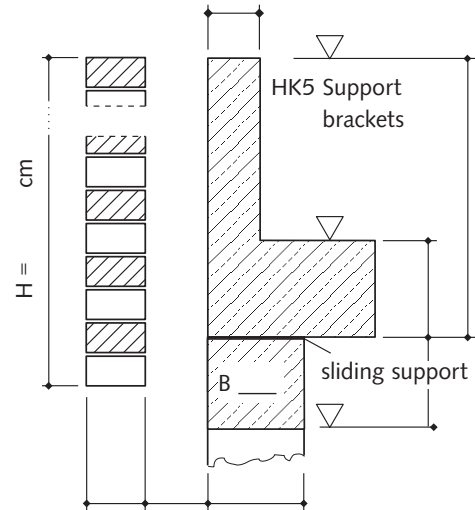


E Sections (continued)

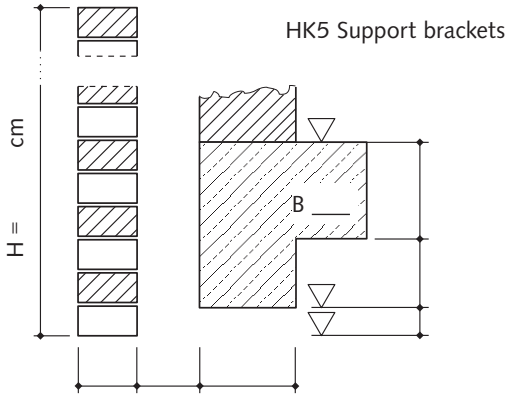
Concrete slab



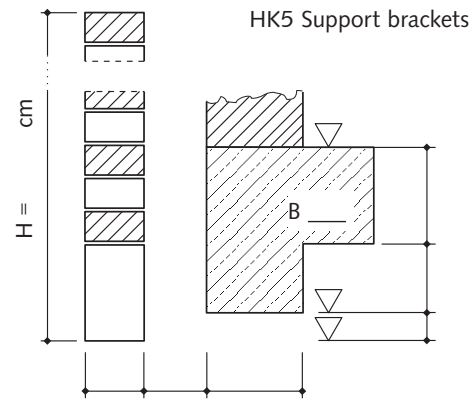
Parapet



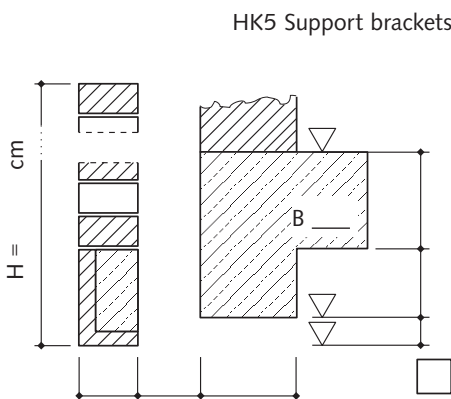
Lintel over window, visible



Lintel over window, hidden



Support over window, precast lintel element



Installation precast elements

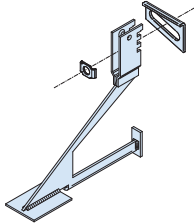
HSL Suspension loops

HALFEN HTA-ES Cast-in channel

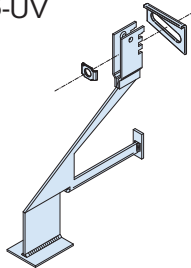
HALFEN Support brackets in stainless steel A4 (W 1.4571/1.4401) or L4 (1.4062, 1.4161, 1.4362)

HK5 -U,-P,-S Single support brackets

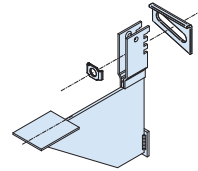
HK5-U



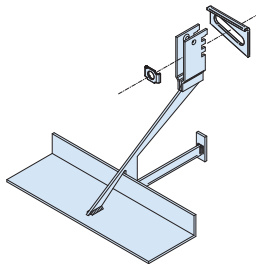
HK5-UV



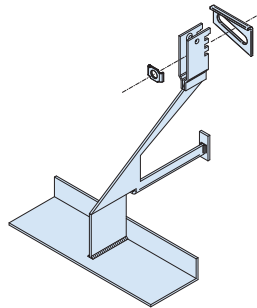
HK5-UT



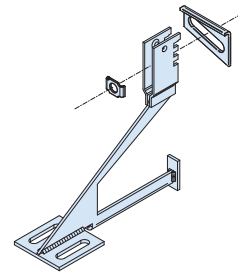
HK5-P



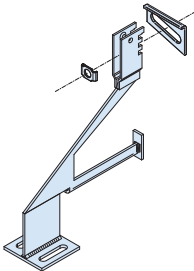
HK5-PV



HK5-S



HK5-SV



HW

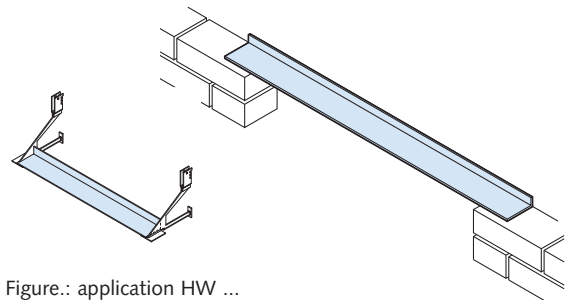
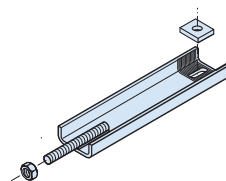


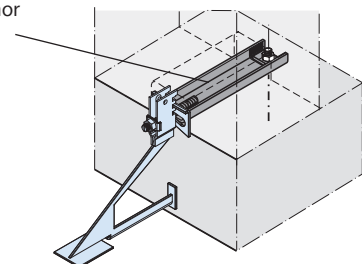
Figure.: application HW ...

HK-DA Slab anchor

HK-DA



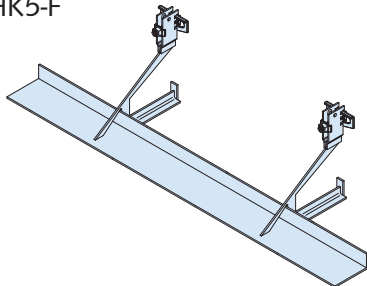
HK-DA Slab anchor



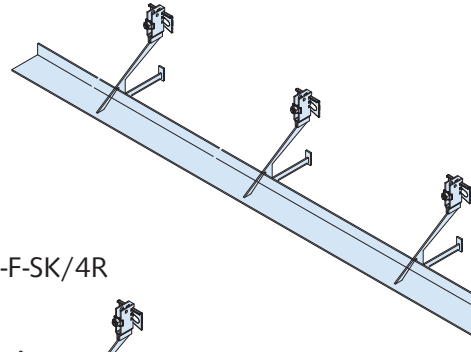
HALFEN Support brackets in stainless steel A4 (W 1.4571/1.4401) or L4 (1.4062, 1.4161, 1.4362)

HK5-F, HK5-FV Angle support brackets

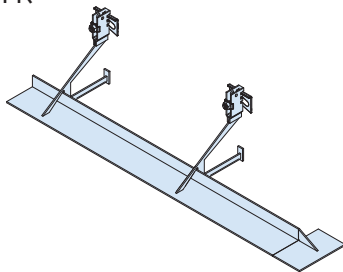
HK5-F



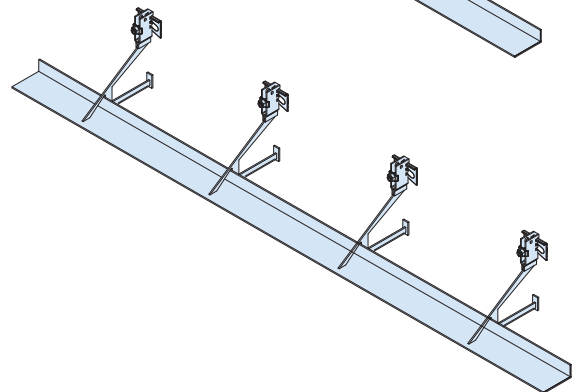
HK5-F-SK/3R



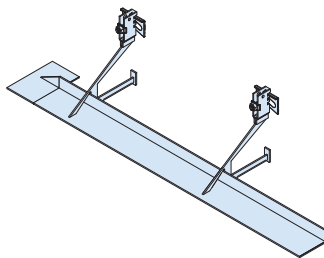
HK5-FR



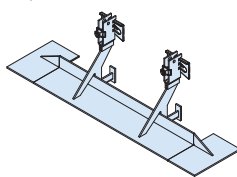
HK5-F-SK/4R



HK5-FL

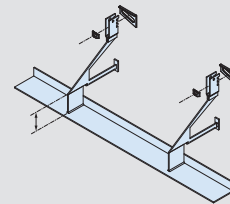


HK5-FLR



All the variants shown above can be ordered as (offset) HK4-FV Angle support bracket.

v = 60 mm



Order example

HK5 - FV - 10.5 - 240 - 1425 - SK/3R x=300 v=120

↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- ① product group
- ② type
- ③ load group [kN]
- ④ stand-off dimension k [mm]
- ⑤ total length [mm]
- ⑥ SK=custom angle/number of brackets
- ⑦ back-leg of bracket [cm]
- ⑧ offset dimension [mm]

Required parameters ordering

- support bracket version (FR, FL, . . .)
 - number of brackets
 - stand-off dimension K
 - load group
 - bracket length L, L1, L2, . . . , Ln
 - offset dimension v
 - (for the HK4-FV Angle support bracket)
- L1 = 200
L2 = 650
L3 = 400
L4 = 175



Recommended maximal length of angle L = 3000 mm



Leviat[®]
A CRH COMPANY

**Innovative engineered products and construction solutions
that allow the industry to build safer, stronger and faster.**

Worldwide contacts for Leviat:

Australia

Leviat
98 Kurrajong Avenue,
Mount Druitt Sydney, NSW 2770
Tel: +61 - 2 8808 3100
Email: info.au@leviat.com

Austria

Leviat
Leonard-Bernstein-Str. 10
Saturn Tower, 1220 Wien
Tel: +43 - 1 - 259 6770
Email: info.at@leviat.com

Belgium

Leviat
Borkelstraat 131
2900 Schoten
Tel: +32 - 3 - 658 07 20
Email: info.be@leviat.com

China

Leviat
Room 601 Tower D, Vantone Centre
No. A6 Chao Yang Men Wai Street
Chaoyang District
Beijing · P.R. China 100020
Tel: +86 - 10 5907 3200
Email: info.cn@leviat.com

Czech Republic

Leviat
Business Center Šafránková
Šafránková 1238/1
155 00 Praha 5
Tel: +420 - 311 - 690 060
Email: info.cz@leviat.com

Finland

Leviat
Vädursgatan 5
412 50 Göteborg / Sweden
Tel: +358 (0)10 6338781
Email: info.fi@leviat.com

France

Leviat
18, rue Goubet
75019 Paris
Tel: +33 - 1 - 44 52 31 00
Email: info.fr@leviat.com

Germany

Leviat
Liebigstrasse 14
40764 Langenfeld
Tel: +49 - 2173 - 970 - 0
Email: info.de@leviat.com

India

Leviat
309, 3rd Floor, Orion Business Park
Ghodbunder Road, Kapurbawdi,
Thane West, Thane,
Maharashtra 400607
Tel: +91 - 22 2589 2032
Email: info.in@leviat.com

Italy

Leviat
Via F.lli Bronzetti 28
24124 Bergamo
Tel: +39 - 035 - 0760711
Email: info.it@leviat.com

Malaysia

Leviat
28 Jalan Anggerik Mokara 31/59
Kota Kemuning, 40460 Shah Alam
Selangor
Tel: +603 - 5122 4182
Email: info.my@leviat.com

Netherlands

Leviat
Oostermaat 3
7623 CS Borne
Tel: +31 - 74 - 267 14 49
Email: info.nl@leviat.com

New Zealand

Leviat
2/19 Nuttall Drive, Hillsborough,
Christchurch 8022
Tel: +64 - 3 376 5205
Email: info.nz@leviat.com

Norway

Leviat
Vestre Svanholmen 5
4313 Sandnes
Tel: +47 - 51 82 34 00
Email: info.no@leviat.com

Philippines

Leviat
2933 Regus, Joy Nostalg,
ADB Avenue
Ortigas Center
Pasig City
Tel: +63 - 2 7957 6381
Email: info.ph@leviat.com

Poland

Leviat
Ul. Obornicka 287
60-691 Poznań
Tel: +48 - 61 - 622 14 14
Email: info.pl@leviat.com

Singapore

Leviat
14 Benoi Crescent
Singapore 629977
Tel: +65 - 6266 6802
Email: info.sg@leviat.com

Spain

Leviat
Polígono Industrial Santa Ana
c/ Ignacio Zuloaga, 20
28522 Rivas-Vaciamadrid
Tel: +34 - 91 632 18 40
Email: info.es@leviat.com

Sweden

Leviat
Vädursgatan 5
412 50 Göteborg
Tel: +46 - 31 - 98 58 00
Email: info.se@leviat.com

Switzerland

Leviat
Hertistrasse 25
8304 Wallisellen
Tel: +41 - 44 - 849 78 78
Email: info.ch@leviat.com

United Kingdom

Leviat
A1/A2 Portland Close
Houghton Regis LU5 5AW
Tel: +44 - 1582 - 470 300
Email: info.uk@leviat.com

United States of America

Leviat
6467 S Falkenburg Rd.
Riverview, FL 33578
Tel: (800) 423-9140
Email: info.us@leviat.us

For countries not listed

Email: info@leviat.com

Leviat.com

For information on certified management systems and standards see www.ancon.co.uk | www.aschwanden.com | www.halfen.com

Notes regarding this catalogue

© Protected by copyright. The construction applications and details provided in this publication are indicative only. In every case, project working details should be entrusted to appropriately qualified and experienced persons. Whilst every care has been exercised in the preparation of this publication to ensure that any advice, recommendations or information is accurate, no liability or responsibility of any kind is accepted by Leviat for inaccuracies or printing errors. Technical and design changes are reserved. With a policy of continuous product development, Leviat reserves the right to modify product design and specification at any time.



Imagine. Model. Make.

Leviat.com