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# Roof Cable/Pipe Entry Systems

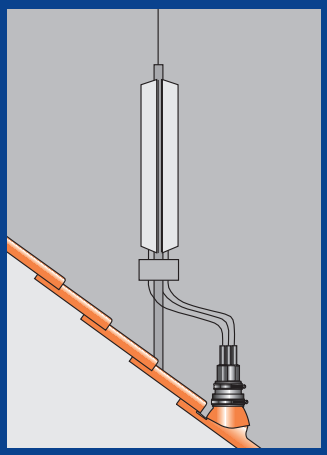
Suitable for all types of roofs

Sealing systems for aerial/ satellite, mobile communications and solar power cables or solar heating and air-conditioning pipes

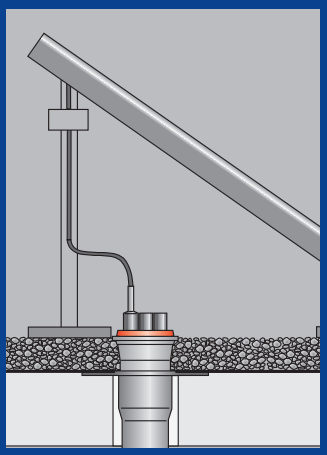
hauff technik®

Cable and Pipe Sealing Systems

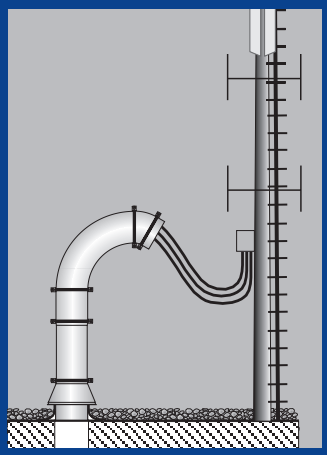
# Component parts and functional principle



Roof cable/pipe entry system
for ridged roofs
Example installation:
Connection of a mobile communications antenna



for flat roofs
Example installation:
Connection of a solar power installation



for flat roofs
Swan-neck installation:
Connection of a mobile communications antenna

The roof cable/pipe entry systems are suitable for all types of roof and are suitable for later installation in a finished roof.
The roof entry systems are watertight and easy to install, providing an affordable solution to laying cables and pipes.

## Ridge-roof entry system

- Retrofit installation capability on all types of pitched roofs (corrugated sheet, slate, tile, etc.)
- Heat-shrink or cold-shrink sealing of cables/pipes
- Variable cable/pipe configurations possible

| | | | |
|---|---|---|---|
| **Order No. SD-D3/32** | 3 cables/pipes | $Ø_a$ | 12–30 mm |
| **Order No. SD-D6/20** | 6 cables/pipes | $Ø_a$ | 8–18 mm |
| **Order No. SD-D1/75** | 1 cable/pipe | $Ø_a$ | 25–73 mm |

**Note: Please specify roof pitch (>35°, <35°)/tile shape/colour on all orders.**
**Example order: SD-D3/32/>35°/Frankfurt pantile/red**

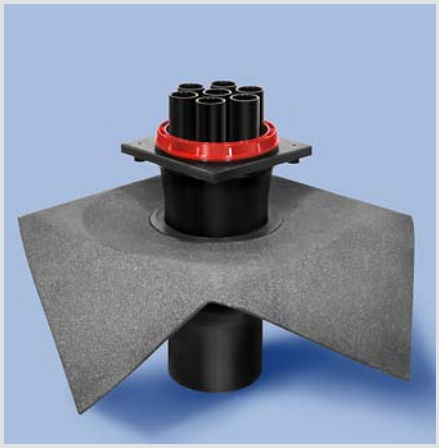
## Ridge-roof entry system with interchangeable insert

- Retrofit installation capability on all types of pitched roofs (corrugated sheet, slate, tile, etc.)
- Sealing of cables/pipes with pipe collars
- Variable cable/pipe configurations possible

**Order No. SD-M-WE110-Z/d**

**Maximum grouping of cables/pipes Z/d:**
1x 90, 2x 47, 3x 42, 4x 38, 5x 34, 6x 30, 7x 29, 8x 27, 9x 24

Z = number of cables/pipes
d = outside diameter of cables and pipes

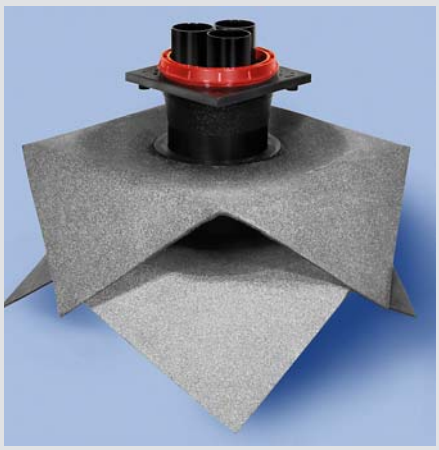


## Flat-roof entry system with single flange and integrated connection collar

- For 1 bitumen or PE waterproof membrane (versions for other waterproof membranes on request)
- For embedding in concrete or retrofitting
- Heat-shrink or cold-shrink sealing of cables/pipes
- Variable cable/pipe configurations possible

| | | | |
|---|---|---|---|
| **Order No. FD-D7/29** | 7 cables/pipes | $Ø_a$ | 12–27 mm |
| **Order No. FD-D3/42** | 3 cables/pipes | $Ø_a$ | 18–40 mm |
| **Order No. FD-D3/50** | 3 cables/pipes | $Ø_a$ | 26–48 mm |
| **Order No. FD-D1/80** | 1 cable/pipe | $Ø_a$ | 45–70 mm |

Roof thickness min. 120 mm (when retrofitting, core drilling 160-200 mm)

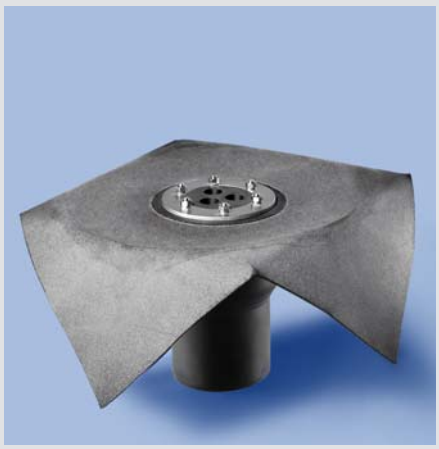


## Flat-roof entry system with double flange and two integrated connection collars

- For 2 bitumen or PE waterproof membranes (versions for other waterproof membranes on request)
- For embedding in concrete or retrofitting
- Heat-shrink or cold-shrink sealing of cables/pipes
- Variable cable/pipe configurations possible

| | | | |
|---|---|---|---|
| **Order No. FFD-D7/29/h** | 7 cables/pipes | $Ø_a$ | 12–27 mm |
| **Order No. FFD-D3/42/h** | 3 cables/pipes | $Ø_a$ | 18– 40 mm |
| **Order No. FFD-D3/50/h** | 3 cables/pipes | $Ø_a$ | 26– 48 mm |
| **Order No. FFD-D1/80/h** | 1 cable/pipe | $Ø_a$ | 45–70 mm |

h = thickness of insulation, min. 110 mm
Roof thickness min.120 mm (when retrofitting, core drilling 160-200 mm)

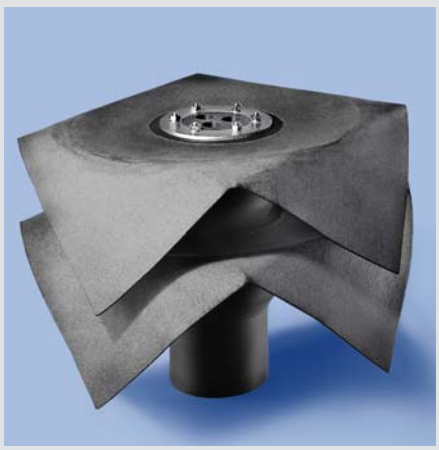


## Flat-roof entry system with single flange, integrated connection collar and rubber seal with interchangeable insert

- For 1 bitumen or PE-damp-proof membrane (versions for other waterproof membranes on request)
- For embedding in concrete or retrofitting
- Cables/pipes sealed by rubber press seal
- Variable cable/pipe configurations possible
- Interchangeable inserts simplify addition of new cables/pipes

**Order No. F-HRD-Z/d**

**Max. grouping of cables/pipes Z/d** 1x 65, 2x 35, 3x 30, 4x 28, 5x 24, 6x 22, 7x 22, 8x 19, 9x 16
Z = number of cables/pipes
d = outside diameter of cables and pipes
(Other combinations of different diameters are possible)
Roof thickness min. 120 mm (when retrofitting, core drilling 160–200 mm)



## Flat-roof entry system with double flange, integrated connection collars and rubber seal with interchangeable insert

- For 2 bitumen or PE damp-proof membranes (versions for other waterproof membranes on request)
- For embedding in concrete or retrofitting
- Cables/pipes sealed by rubber press seal
- Variable cable/pipe configurations possible
- Interchangeable inserts simplify addition of new cables/pipes

**Order No. FF-HRD-Z/d/h**

**Max. number of cables/pipes Z/d** 1x 65, 2x 35, 3x 30, 4x 28, 5x 24, 6x 22, 7x 22, 8x 19, 9x 16
Z = number of cables / pipes
d = outside diameter of cables and pipes
h = thickness of insulation, min. 110 mm
(Other combinations of different diameters are possible)
Roof thickness min. 120 mm (when retrofitting, core drilling 160–200 mm)

# SHD 100 – 300
# Swan neck flat-roof entry system

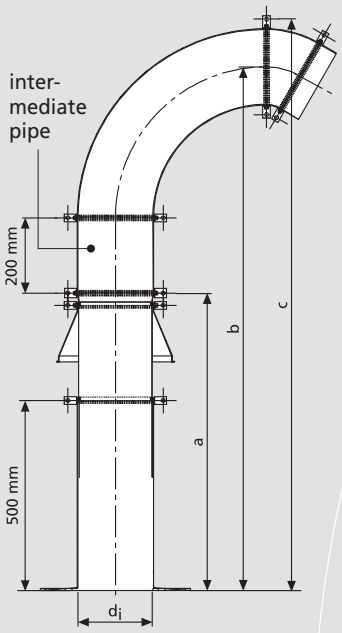
- Adjustable drip hood allows flexible installation in all roof structures
- Individual segments can be assembled on site – simplifying transport
- Cables can be easily drawn through, because pipe elbow is fitted after installation
- Height and orientation of swan neck can be changed after installation of base plate.
- SHD seal insert allows variable cable/pipe configurations
- Available in 100, 150, 200 and 300 mm diameters
- Hot-dip galvanised
- Rotates 360°

**Flat-roof entry system in 4 sizes**
ID 100
e.g. for 4 cables up to 28 mm diameter
**Order No. SHD 100**
ID 150
e.g. for 7 cables up to 28 mm diameter
**Order No. SHD 150**
ID 200
e.g. for 12 cables up to 28 mm diameter
**Order No. SHD 200**
ID 300
e.g. for 20 cables up to 28 mm diameter
**Order No. SHD 300**

**Cable seal for swan neck**
for SHD 100
**Order No. SHD-100-2G-Z/d**
e.g. max. 4 cables up to 28 mm diameter
for SHD 150
**Order No. SHD-150-2G-Z/d**
e.g. max. 7 cables up to 28 mm diameter
for SHD 200
**Order No. SHD-200-2G-Z/d**
e.g. max. 12 cables up to 28 mm diameter
for SHD 300
**Order No. SHD-300-2G-Z/d**
e.g. max. 20 cables up to 28 mm diameter

Z = number of cables
d = cable diameter

## Technical Data




| Diameter Inside diameter in mm | a in mm from | to | b in mm from | to | c in mm from | to |
|---|---|---|---|---|---|---|
| 100 | 792 | | 977 | | 1192 | |
| 1377 | | 1276 | 1461 | | | |
| 150 | 792 | | 977 | | | 1292 |
| 1477 | | 1401 | 1586 | | | |
| 200 | 792 | | | | | |



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