



WIEDEMANN-TECHNIK

Quality in stainless steel

Channels



Channels

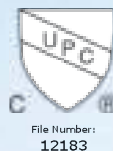
WIEDEMANN stainless steel channels have been part of our product portfolio for decades. Thanks to their high quality, which we have continually optimized, we are the benchmark in drainage technology today.

Our drainage channels combine high stability and durability with easy cleaning and an attractive appearance. We offer you the right concept for your requirements with Individual special solutions. Tailored with millimetre precision to the conditions in your company, large channel lengths with and without flange connections, for example, can be realized for you.

To guarantee high quality, our drainage channels are installed exclusively by our own fitters. From the complex coordination of the installation to the fitted and ready-to-use channels – our fitters level, align, weld and fix your new stainless steel channel on site. This saves you time and gives you first-class quality.

WIEDEMANN channels can be used in a variety of ways, including in the:

- Beverage industry
- Meat industry
- Foodstuffs industry
- Dairy industry
- Chemical and pharmaceutical industry
- Canteen kitchen



WIEDE
TECH

WIEDEMANN ensures the highest standards of quality by testing materials and finished products with modern methods and equipment. In addition, our processes are monitored by external, independent organisations, certifying our quality systems.

CERTIFICATIONS

- Specialized company according to the Water Resources Act
- Welding specialist company according to DIN EN ISO 3834-2 and DIN EN 1090-2 EXC2
- External monitoring of floor drains according to EN 1253 by TÜV Rheinland LGA
- External monitoring of fire protection doors according to DIN 4102, EN 1634 by MPA Braunschweig and MPA NRW
- Certified according to DIN EN ISO 9001 by IFU-Cert
- Certified drainage system by the Fraunhofer Institute according to EHEDG guidelines
- Floor drain with fire protection according to ABPP 3459/4006-MPA-BS

We are a member of the EHEDG (European Hygienic Engineering & Design Group).



HIGHEST DEGREE OF STRENGTH

Box- and slot channels

WIEDEMANN BOX CHANNELS – FOR MEDIUM TO LARGE VOLUMES OF WASTEWATER

WIEDEMANN box channels are available in various widths, to meet the hydraulic requirements of your project. They are also capable of acting as temporary stores for large amounts of water for short periods.

A wide range of covers are available with different anti-slip properties and load classes.

WIEDEMANN SLOT CHANNELS – FOR LOWER WASTEWATER VOLUMES

Our slot channels are a cost-effective, low maintenance and safe solution.

WIEDEMANN slot channels are also available without spacers, which makes cleaning easier for you.



RANGE OF SERVICES

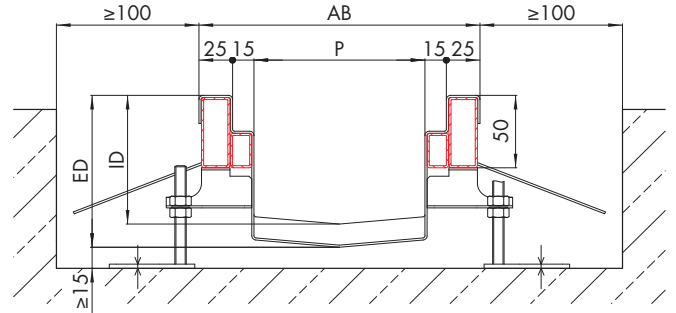


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Industrial box channel IKR

with welded in channel floor drain/upper part



CALCULATION ED (CHANNEL END DEPTH)

$$ED = ID + L \times 0.006 \quad (ID, ED, L \text{ in mm})$$

ID: Initial depth

ED: End depth

L: Channel length of the respective section up to the channel floor drain

Alternatively, higher initial depths and deviating gradients are generally possible.

GRADE

1.4301 (AISI 304) 1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)

CHANNEL MODEL	P [mm]	AB [mm]	ID ⁵ [mm]	Fall	welded in channel floor drain, vertical or horizontal outlet					
					DRSK-070/100	HK-070/100	DRS-100	H-100	DRS-150	H-150
IKR-070-150	70	150	60	0.6 %	+	+	+	+	+	+
IKR-090-170	90	170	60	0.6 %	+	+	+	+	+	+
IKR-120-200	120	200	60	0.6 %	+	+	+	+	+	+
IKR-170-250	170	250	60	0.6 %	-	-	+	+	+	+
IKR-220-300	220	300	60	0.6 %	-	-	-	-	+	+
IKR-320-400	320	400	60	0.6 %	Channel floor drains with vertical or horizontal outlet,					
IKR-420-500	420	500	60	0.6 %	for details and other variants, see pages 24-30					

COVER VARIANTS



SR - BAR GRATE²
fully welded with the frame bar,
slip resistance (R11)



P - PLATE²
inlet slot on both sides 10 mm,
slip resistance (R10)



GR - MESH GRATING²
smooth (R10) or slip-resistant
(R11-R13)



B - SHEET METAL²
also in individual versions
(until channel model IKR 170-250)

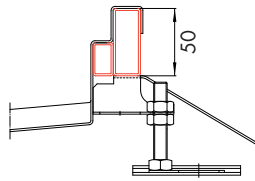


SRK - BAR GRATE FOLDING DEVICE²
secured against removal, locked open
selectable for channel models 090-170,
120-200, 170-250 and 220-300



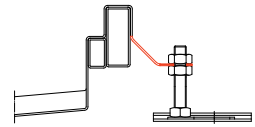
PK - PLATE FOLDING DEVICE²
secured against removal, locked open
selectable for channel models 090-170,
120-200, 170-250 and 220-300

STAINLESS STEEL FLOOR CONNECTIONS



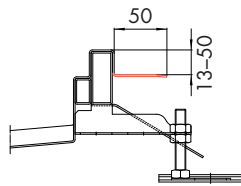
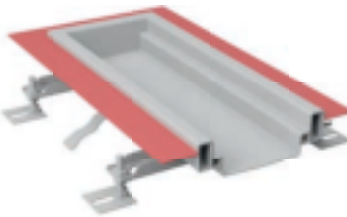
STANDARD

grating support and channel edge reinforced with rectangular stainless steel profile, 50 mm high on the outside, and wall anchors every 500 mm



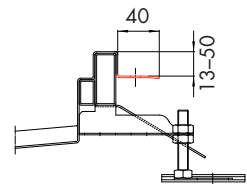
ZP, Z-PROFILE³

grating support and channel edge reinforced with rectangular stainless steel profile. Additional profile edging as a continuous heavy-duty connection.



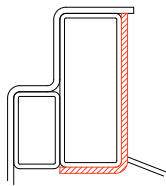
HF, BONDING FLANGE³

edged and liquid-tight bonding flange for connecting floor coverings and seals as well as wall anchors every 500 mm



HFLALO, BONDING FLANGE, PERFORATED^{3,9}

edged bonding flange with perforation for connecting floor coverings and seals as well as wall anchors every 500 mm



SK, SHARP-EDGED³

sharp-edged outer channel edge (laser cut) for optimum liquid-tight connection of floor coverings and seals as well as wall anchors every 500 mm

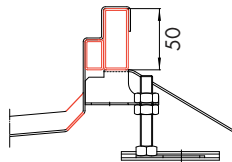
Some of the different floor connections can be combined, please enquire if necessary.

OPTIONS



RBE-DRS/H-RD

channel floor drain with a round floor connection



45°-HYGIENIC EDGING



ASSEMBLY BRACKET

for mounting in previously created recesses, where floor fixing is not possible

TENDER TEXT

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² load classes and other variants see page 40/41

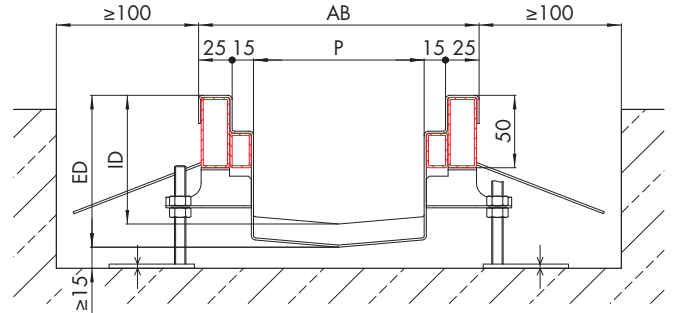
³ floor connections, details and other variants see page 42/43

⁵ If no specification is made, the starting depth ID is 60 mm as standard

⁹ customized version (not DIN-compliant)

Industrial box channel IKR

with underwelded channel floor drain/socket



CALCULATION ED (CHANNEL END DEPTH)

$$ED = ID + L \times 0.006 \quad (ID, ED, L \text{ in mm})$$

ID: Initial depth

ED: End depth

L: Channel length of the respective section up to the channel floor drain

Alternatively, higher initial depths and deviating gradients are generally possible.

GRADE

1.4301 (AISI 304) 1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)

CHANNEL MODEL	P [mm]	AB [mm]	ID ⁵ [mm]	Fall	underwelded channel floor drain, vertical or horizontal outlet					
					DRSK-070/100	HK-070/100	DRS-100	H-100	DRS-150	H-150
IKR-070-150	70	150	60	0.6 %						
IKR-090-170	90	170	60	0.6 %						
IKR-120-200	120	200	60	0.6 %						
IKR-170-250	170	250	60	0.6 %						
IKR-220-300	220	300	60	0.6 %	+	+	+	+	-	-
IKR-320-400	320	400	60	0.6 %	+	+	+	+	+	+
IKR-420-500	420	500	60	0.6 %	+	+	+	+	+	+

COVER VARIANTS



SR - BAR GRATE²
fully welded with the frame bar,
slip resistance (R11)



P - PLATE²
inlet slot on both sides 10 mm,
slip resistance (R10)



GR - MESH GRATING²
smooth (R10) or slip-resistant
(R11-R13)



B - SHEET METAL²
also in individual versions
(until channel model IKR 170-250)

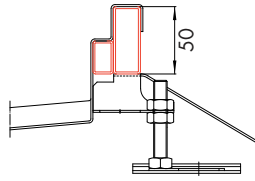


SRK - BAR GRATE FOLDING DEVICE²
secured against removal, locked open
selectable for channel models 090-170,
120-200, 170-250 and 220-300



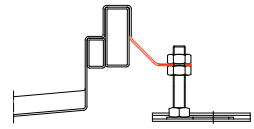
PK - PLATE FOLDING DEVICE²
secured against removal, locked open
selectable for channel models 090-170,
120-200, 170-250 and 220-300

STAINLESS STEEL FLOOR CONNECTIONS



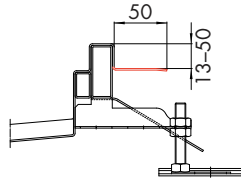
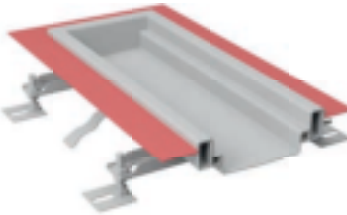
STANDARD

grating support and channel edge reinforced with rectangular stainless steel profile, 50 mm high on the outside, and wall anchors every 500 mm



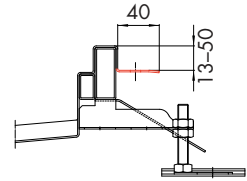
ZP, Z-PROFILE³

grating support and channel edge reinforced with rectangular stainless steel profile. Additional profile edging as a continuous heavy-duty connection.



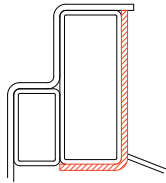
HF, BONDING FLANGE³

edged and liquid-tight bonding flange for connecting floor coverings and seals as well as wall anchors every 500 mm



HFLALO, BONDING FLANGE, PERFORATED^{3,9}

edged bonding flange with perforation for connecting floor coverings and seals as well as wall anchors every 500

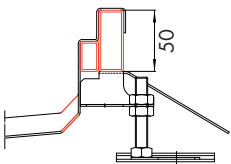


SK, SHARP-EDGED³

sharp-edged outer channel edge (laser cut) for optimum liquid-tight connection of floor coverings and seals as well as wall anchors every 500 mm

Some of the different floor connections can be combined, please enquire if necessary.

OPTIONS



45°-HYGIENIC EDGING



ASSEMBLY BRACKET

for mounting in previously created recesses, where floor fixing is not possible

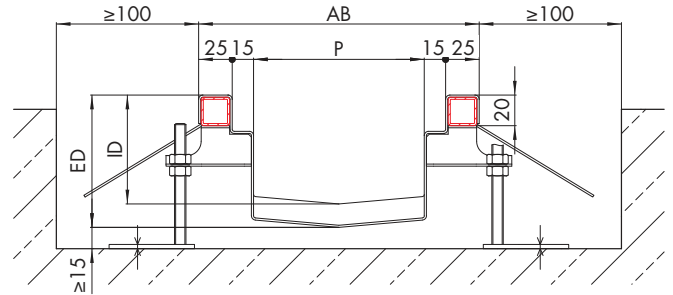
² load classes and other variants see page 40/41
³ floor connections, details and other variants see page 42/43
⁵ If no specification is made, the starting depth ID is 60 mm as standard
⁹ customized version (not DIN-compliant)

TENDER TEXT

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Commercial box channel GKR

with welded in channel floor drain/upper part



CALCULATION ED (CHANNEL END DEPTH)

$$ED = ID + L \times 0.006 \text{ (ID, ED, L in mm)}$$

ID: Initial depth

ED: End depth

L: Channel length of the respective section up to the channel floor drain

Alternatively, higher initial depths and deviating gradients are generally possible.

GRADE

1.4301 (AISI 304) 1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)

CHANNEL MODEL	P [mm]	AB [mm]	ID ⁵ [mm]	Fall	welded in channel floor drain, vertical or horizontal outlet					
					DRSK-070/100	HK-070/100	DRS-100	H-100	DRS-150	H-150
GKR-070-150	70	150	60	0.6 %	+	+	+	+	+	+
GKR-090-170	90	170	60	0.6 %	+	+	+	+	+	+
GKR-120-200	120	200	60	0.6 %	+	+	+	+	+	+
GKR-170-250	170	250	60	0.6 %	-	-	+	+	+	+
GKR-220-300	220	300	60	0.6 %	-	-	-	-	+	+
GKR-320-400	320	400	60	0.6 %	Channel floor drains with vertical or horizontal outlet,					
GKR-420-500	420	500	60	0.6 %	for details and other variants, see pages 24-30					

COVER VARIANTS



SR - BAR GRATE²
fully welded with the frame bar,
slip resistance (R11)



P - PLATE²
inlet slot on both sides 10 mm,
slip resistance (R10)



GR - MESH GRATING²
smooth (R10) or slip-resistant
(R11-R13)



B - SHEET METAL²
also in individual versions
(until channel model IKR 170-250)

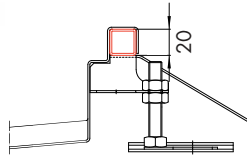


**SRK - BAR GRATE
FOLDING DEVICE²**
secured against removal, locked open
selectable for channel models 090-170,
120-200, 170-250 and 220-300



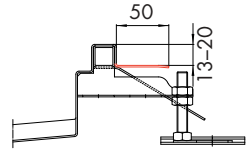
**PK - PLATE
FOLDING DEVICE²**
secured against removal, locked open
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120-200, 170-250 and 220-300

STAINLESS STEEL FLOOR CONNECTIONS



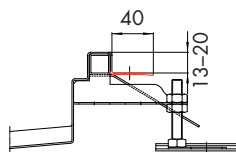
STANDARD

channel edge reinforced with rectangular stainless steel profile, 20 mm high on the outside, and wall anchors every 500 mm



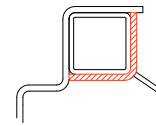
HF, BONDING FLANGE³

edged and liquid-tight bonding flange for connecting floor coverings and seals as well as wall anchors every 500 mm



HFLALO, BONDING FLANGE, PERFORATED^{3,9}

edged bonding flange with perforation for connecting floor coverings and seals as well as wall anchors every 500 mm



SK, SHARP-EDGED³

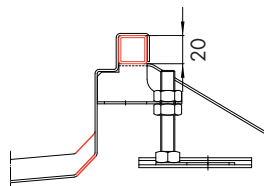
sharp-edged outer channel edge (laser cut) for optimum liquid-tight connection of floor coverings and seals as well as wall anchors every 500 mm

Some of the different floor connections can be combined, please enquire if necessary.

OPTIONS



RBE-DRS/H-RD
channel floor drain
with a round floor connection



45°-HYGIENIC EDGING



ASSEMBLY BRACKET
for mounting in previously created recesses,
where floor fixing is not possible

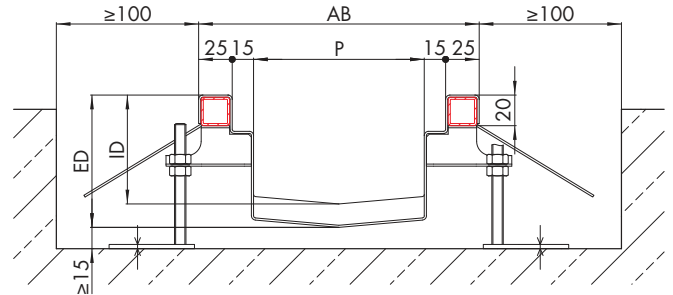
² load classes and other variants see page 40/41
³ floor connections, details and other variants see page 42/43
⁵ if no specification is made, the starting depth ID is 60 mm as standard
⁹ customized version (not DIN-compliant)

TENDER TEXT

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Commercial box channel GKR

with underwelded channel floor drain/socket



CALCULATION ED (CHANNEL END DEPTH)

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GRADE

1.4301 (AISI 304) 1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)

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GKR-070-150	70	150	60	0.6 %						
GKR-090-170	90	170	60	0.6 %	Channel floor drains with vertical or horizontal outlet, for details and other variants, see pages 24–30					
GKR-120-200	120	200	60	0.6 %						
GKR-170-250	170	250	60	0.6 %						
GKR-220-300	220	300	60	0.6 %	+	+	+	+	-	-
GKR-320-400	320	400	60	0.6 %	+	+	+	+	+	+
GKR-420-500	420	500	60	0.6 %	+	+	+	+	+	+

COVER VARIANTS



SR - BAR GRATE²
fully welded with the frame bar,
slip resistance (R11)



P - PLATE²
inlet slot on both sides 10 mm,
slip resistance (R10)



GR - MESH GRATING²
smooth (R10) or slip-resistant
(R11–R13)



B - SHEET METAL²
also in individual versions
(until channel model IKR 170–250)

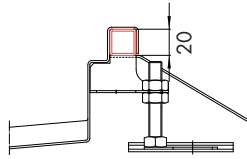


SRK - BAR GRATE FOLDING DEVICE²
secured against removal, locked open
selectable for channel models 090–170,
120–200, 170–250 and 220–300



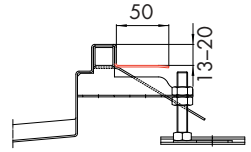
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STAINLESS STEEL FLOOR CONNECTIONS



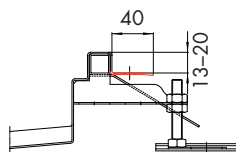
STANDARD

channel edge reinforced with rectangular stainless steel profile, 20 mm high on the outside, and wall anchors every 500 mm



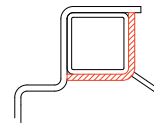
HF, BONDING FLANGE³

edged and liquid-tight bonding flange for connecting floor coverings and seals as well as wall anchors every 500 mm



HFLALO, BONDING FLANGE, PERFORATED^{3,9}

edged bonding flange with perforation for connecting floor coverings and seals as well as wall anchors every 500 mm

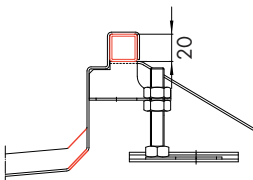


SK, SHARP-EDGED³

sharp-edged outer channel edge (laser cut) for optimum liquid-tight connection of floor coverings and seals as well as wall anchors every 500 mm

Some of the different floor connections can be combined, please enquire if necessary.

OPTIONS



45°-HYGIENIC EDGING



ASSEMBLY BRACKET

for mounting in previously created recesses, where floor fixing is not possible

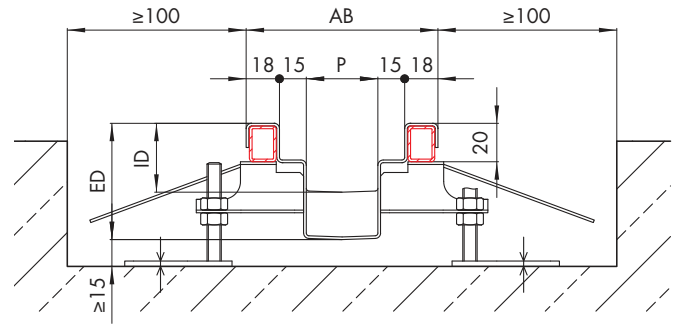
² load classes and other variants see page 40/41
³ floor connections, details and other variants see page 42/43
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⁹ customized version (not DIN-compliant)

TENDER TEXT

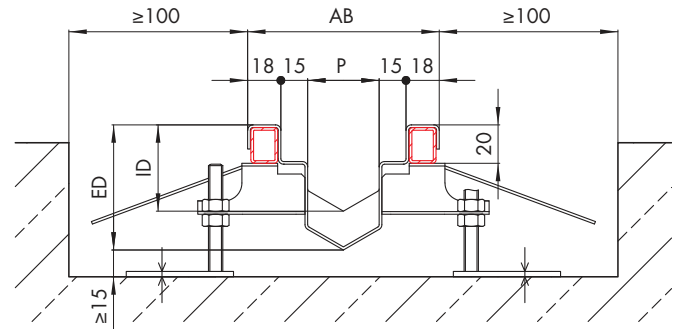
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Vario box channel VKR

with welded in channel floor drain/upper part



VKR-1: End depth (ED) until max. 70 mm



VKR-2: Initial depth (ID) min. 50 mm

CALCULATION ED (CHANNEL END DEPTH)

$$ED = ID + L \times 0.006 \text{ (ID, ED, L in mm)}$$

ID: Initial depth

ED: End depth

L: Channel length of the respective section up to the channel floor drain

Alternatively, higher initial depths and deviating gradients are generally possible.

GRADE

1.4301 (AISI 304) 1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)

CHANNEL MODEL	P [mm]	AB [mm]	ID [mm]	Fall	ED [mm]	welded in channel floor drain, vertical or horizontal outlet					
						DRSK-070/100	HK-070/100	DRS-100	H-100	DRS-150	H-150
VKR-1	40	106	40	0.6 %	max. 70	+	+	+	+	+	+
VKR-2	40	106	50	0.6 %	> 70	+	+	+	+	+	+

Channel floor drains with vertical or horizontal outlet, for details and other variants, see pages 24–25

COVER VARIANTS



SR - BAR GRATE²
fully welded with the frame bar,
slip resistance (R11)



P - PLATE²
inlet slot on both sides 10 mm,
slip resistance (R10)



GR - MESH GRATING²
smooth (R10) or slip-resistant
(R11–R13)



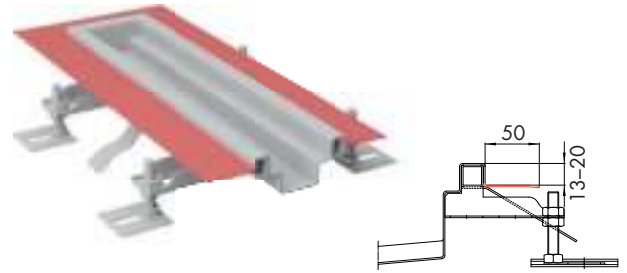
B - SHEET METAL²
also in individual versions

STAINLESS STEEL FLOOR CONNECTIONS



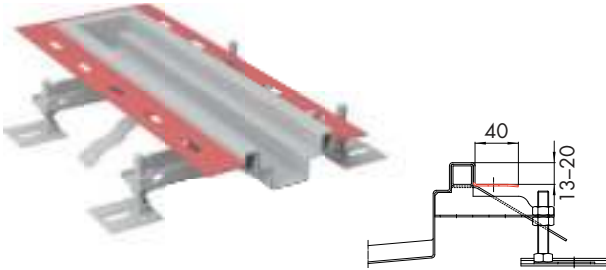
STANDARD

channel edge reinforced with rectangular stainless steel profile, 20 mm high on the outside, and wall anchors every 500 mm



HF, BONDING FLANGE³

edged and liquid-tight bonding flange for connecting floor coverings and seals as well as wall anchors every 500 mm

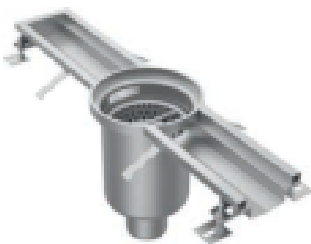


HFLALO, BONDING FLANGE, PERFORATED^{3,9}

edged bonding flange with perforation for connecting floor coverings and seals as well as wall anchors every 500 mm

Some of the different floor connections can be combined, please enquire if necessary.

OPTIONS



RBE-DRS/H-RD

channel floor drain
with a round floor connection



ASSEMBLY BRACKET

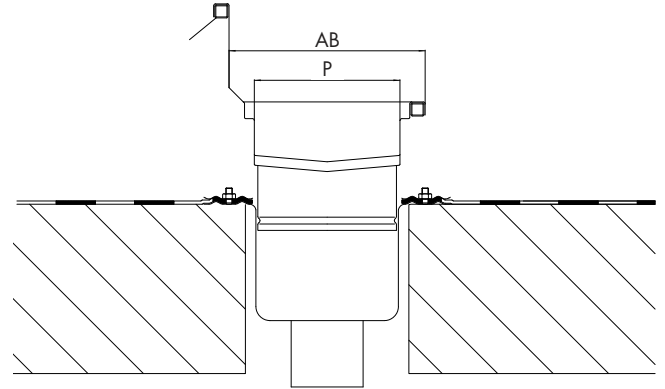
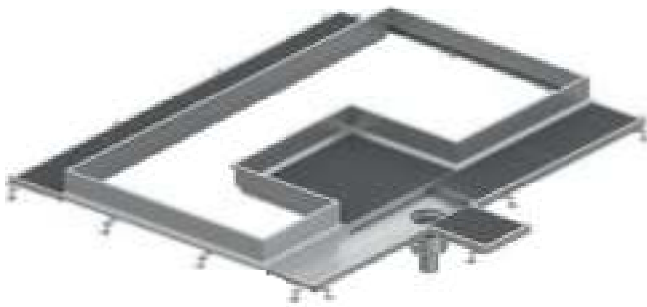
for mounting in previously created recesses,
where floor fixing is not possible

² load classes and other variants see page 40/41
³ floor connections, details and other variants see page 42/43
⁹ customized version (not DIN-compliant)

TENDER TEXT

Tender texts for our channels are available on our website and at Heinze.de. We are also happy to create individual text templates for your projects.

Kitchen channel plinth combination KRS



CALCULATION ED (CHANNEL END DEPTH)

$$ED = ID + L \times 0.006 \text{ (ID, ED, L in mm)}$$

- ID:** Initial depth
- ED:** End depth
- L:** Channel length of the respective section up to the channel floor drain

Alternatively, higher initial depths and deviating gradients are generally possible.

GRADE

1.4301 (AISI 304) 1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)

BASIS CHANNEL MODEL IKR	P [mm]	AB [mm]	ID [mm]	Fall	underwelded channel floor drain, vertical or horizontal outlet					
					DRSK-070/100	HK-070/100	DRS-100	H-100	DRS-150	H-150
IKR-070-150	70	150	60	0.6 %	-	-	-	-	-	-
IKR-090-170	90	170	60	0.6 %	-	-	-	-	-	-
IKR-120-200	120	200	60	0.6 %	-	-	-	-	-	-
IKR-170-250	170	250	60	0.6 %	-	-	-	-	-	-
IKR-220-300	220	300	60	0.6 %	+	+	+	+	-	-
IKR-320-400	320	400	60	0.6 %	+	+	+	+	+	+
Dimensions for spur channels as required										

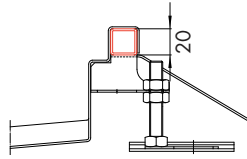
BASIS CHANNEL MODEL GKR	P [mm]	AB [mm]	ID [mm]	Fall	underwelded channel floor drain, vertical or horizontal outlet					
					DRSK-070/100	HK-070/100	DRS-100	H-100	DRS-150	H-150
GKR-070-150	70	150	60	0.6 %	-	-	-	-	-	-
GKR-090-170	90	170	60	0.6 %	-	-	-	-	-	-
GKR-120-200	120	200	60	0.6 %	-	-	-	-	-	-
GKR-170-250	170	250	60	0.6 %	-	-	-	-	-	-
GKR-220-300	220	300	60	0.6 %	+	+	+	+	-	-
GKR-320-400	320	400	60	0.6 %	+	+	+	+	+	+
Dimensions for spur channels as required										

COVER VARIANTS



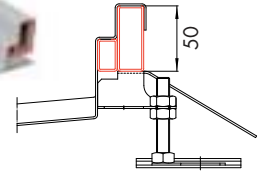
GR - MESH GRATING²
smooth (R10) or slip-resistant (R11-R13)

STAINLESS STEEL FLOOR CONNECTIONS



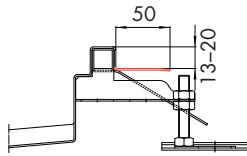
PROFILE KRS-GKR

channel edge reinforced with rectangular stainless steel profile, 20 mm high on the outside, and wall anchors every 500 mm



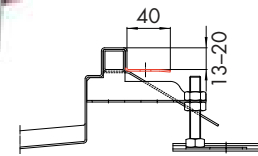
PROFILE KRS-IKR

grating support and channel edge reinforced with rectangular stainless steel profile, 50 mm high on the outside, and wall anchors every 500 mm



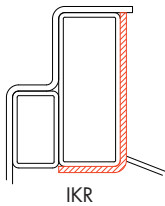
HF, BONDING FLANGE³

edged and liquid-tight bonding flange, both in the floor area as well as in the plinth area, for connecting floor coverings and seals as well as wall anchors every 500 mm

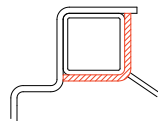


HFLALO, BONDING FLANGE, PERFORATED^{3,9}

edged bonding flange with perforation in the floor area as well as in the plinth area, for connecting floor coverings and seals as well as wall anchors every 500 mm



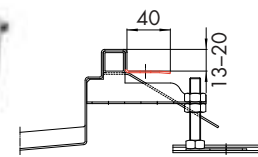
IKR



GKR

SK, SHARP-EDGED³

sharp-edged outer channel edge (laser cut) for optimum liquid-tight connection of floor coverings and seals as well as wall anchors every 500 mm



HFLALO, BONDING FLANGE, PERFORATED^{3,9}

edged bonding flange with perforation in the floor area for connecting floor coverings and seals, in the plinth area without flange, as well as wall anchors every 500 mm

Some of the different floor connections can be combined, please enquire if necessary.

OPTIONS



PLINTH CLADDING WITH CHANNEL

completely all-round with a round floor connection



PLINTH CLADDING WITHOUT CHANNEL

individual plinth course, with wall connection if required; general design as for the channel/plinth combination

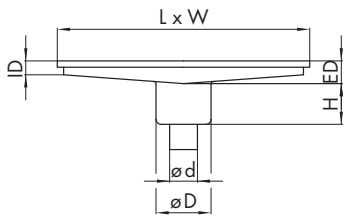
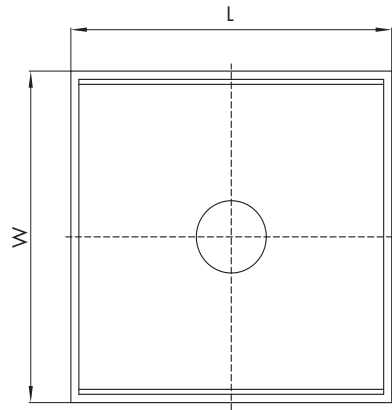
TENDER TEXT

Tender texts for our channels are available on our website and at Heinze.de. We are also happy to create individual text templates for your projects.

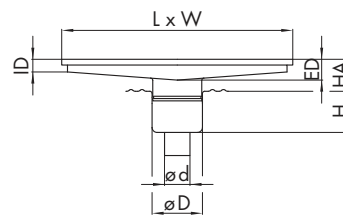
² load classes and other variants see page 40/41
³ floor connections, details and other variants see page 42/43
⁹ customized version (not DIN-compliant)

Floor basin BOWA

with underwelded floor drain/socket



Floor basin with underwelded drain and vertical outlet, optionally also with a horizontal outlet possible, details page 25



Floor basin with plugged drain and vertical outlet, optionally also with a horizontal outlet possible, details page 25

GRADE

1.4301 (AISI 304) 1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)

BASIN MODEL	WxL [mm]	ID [mm]	ED [mm]	Floor drain underwelded ¹									Floor drain plugged ¹				
				DRS-100			DRS-150			H-100			H-150				
				Ø d [mm]	Ø D [mm]	H [mm]	Ø d [mm]	Ø D [mm]	H [mm]	Ø d [mm]	Ø D [mm]	H [mm]	HA ⁴ [mm]	Ø d [mm]	Ø D [mm]	H [mm]	HA ⁴ [mm]
BOWA-0400-0400	400x400	50	52	110	218	195	160	283	235	110	218	178	70-105	160	283	209	70-105
BOWA-0400-0600	400x600	50	52	110	218	195	160	283	235	110	218	178	70-105	160	283	209	70-105
BOWA-0400-0800	400x800	50	52	110	218	195	160	283	235	110	218	178	70-105	160	283	209	70-105
BOWA-0500-0500	500x500	50	52	110	218	195	160	283	235	110	218	178	70-105	160	283	209	70-105
BOWA-0600-0600	600x600	55	90	110	218	195	160	283	235	110	218	178	105-145	160	283	209	105-145
BOWA-0600-0600	600x600	60	64	110	218	195	160	283	235	110	218	178	70-105	160	283	209	70-105
BOWA-0600-0800	600x800	50	54	110	218	195	160	283	235	110	218	178	70-105	160	283	209	70-105
BOWA-0800-0800	800x800	55	90	110	218	195	160	283	235	110	218	178	105-145	160	283	209	105-145
BOWA-1000-1000	1,000x1,000	55	90	110	218	195	160	283	235	110	218	178	105-145	160	283	209	105-145
BOWA-1200-1200	1,200x1,200	55	90	110	218	195	160	283	235	110	218	178	105-145	160	283	209	105-145

Alternatively, basins are available in other sizes, with higher initial depths, with other floor drains and off-center floor drains are also available.

COVER VARIANTS



SR - BAR GRATE²
fully welded with the frame bar,
slip resistance (R11)

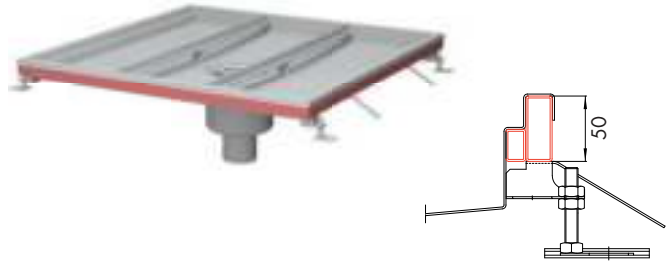


GR - MESH GRATING²
smooth (R10) or slip-resistant
(R11-R13)



PROFILE, BOWA-GKR

channel edge reinforced with rectangular stainless steel profile, 20 mm high on the outside, and wall anchors every 500 mm



PROFILE, BOWA-IKR

grating support and channel edge reinforced with rectangular stainless steel profile, 50 mm high on the outside, and wall anchors every 500 mm



MODEL	H1 [mm]
IKR	13-50
GKR	13-20



MODEL	H1 [mm]
IKR	13-50
GKR	13-20

HF, BONDING FLANGE³

edged and liquid-tight bonding flange for connecting floor coverings and seals as well as wall anchors every 500 mm

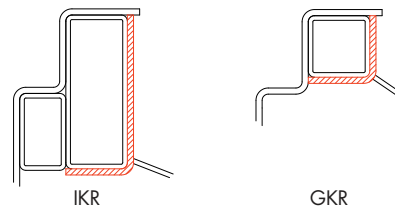
HFLALO, BONDING FLANGE, PERFORATED^{3,9}

edged bonding flange with perforation for connecting floor coverings and seals as well as wall anchors every 500 mm



ZP, Z-PROFILE³

grating support and channel edge reinforced with rectangular stainless steel profile. Additional profile edging as a continuous heavy-duty connection.



SK, SHARP-EDGED³

sharp-edged outer channel edge (laser cut) for optimum liquid-tight connection of floor coverings and seals as well as wall anchors every 500 mm

Some of the different floor connections can be combined, please enquire if necessary.

OPTIONS



TRAVERSES

partially welded, number and dimensions according to static necessity



HYGIENE TRAVERSES

fully welded, number and dimensions according to static necessity

1 other drain models on request
 2 load classes and other variants see page 40/41
 3 floor connections, details and other variants see page 42/43
 4 the height adjustment changes for the plug-in version of H models with a clamping flange
 9 customized version (not DIN-compliant)

TENDER TEXT

Tender texts for our channels are available on our website and at Heinze.de. We are also happy to create individual text templates for your projects.

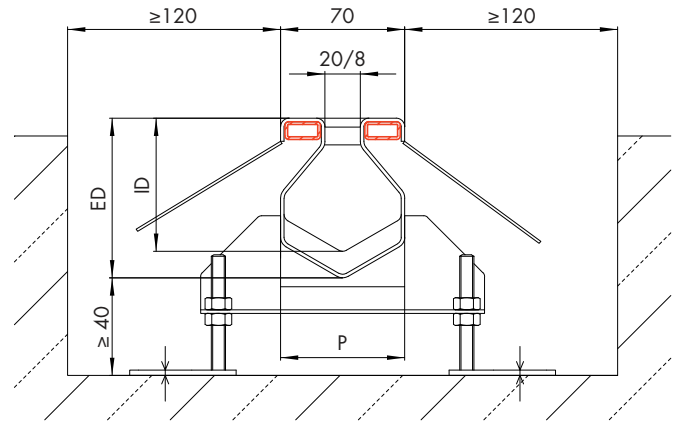


Heavy-duty slot channel SRD with spacers

with welded in channel floor drain/upper part

SRD

2.10



CALCULATION ED (CHANNEL END DEPTH)

$$ED = ID + L \times 0.006 \text{ (ID, ED, L in mm)}$$

- ID:** Initial depth
- ED:** End depth
- L:** Channel length of the respective section up to the channel floor drain

Alternatively, higher initial depths and deviating gradients are generally possible.

GRADE

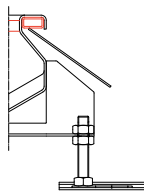
1.4301 (AISI 304) 1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)

CHANNEL MODEL	P [mm]	ID [mm]		Fall	welded in channel floor drain, vertical or horizontal outlet					
		20 mm*	8 mm*		DRSK-070/100	HK-070/100	DRS-100	H-100	DRS-150	H-150
SRD-50	50	55	59	0.6 %	+	+	+	+	+	+
SRD-70	70	75	82	0.6 %	+	+	+	+	+	+
SRD-90	90	110		0.6 %	+	+	+	+	+	+

*Slot channel with 20 mm slot width or optionally with 8 mm slot width for barefoot areas

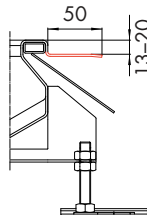
Channel floor drains with vertical or horizontal outlet, for details and other variants, see pages 24–25

STAINLESS STEEL FLOOR CONNECTIONS



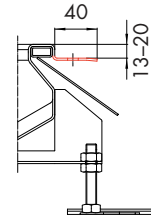
STANDARD

channel edge reinforced with rectangular stainless steel profile and wall anchors every 500 mm



HF, BONDING FLANGE³

edged and liquid-tight bonding flange for connecting floor coverings and seals as well as wall anchors every 500 mm



HFLALO, BONDING FLANGE, PERFORATED^{3,9}

edged bonding flange with perforation for connecting floor coverings and seals as well as wall anchors every 500 mm

OPTIONS



ASSEMBLY BRACKET

for mounting in previously created recesses, where floor fixing is not possible

TENDER TEXT

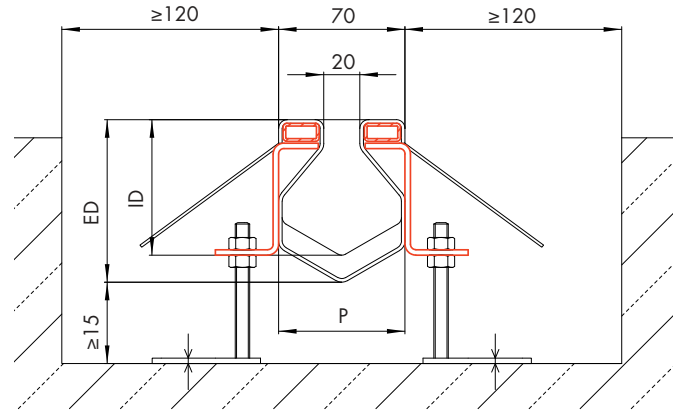
Tender texts for our channels are available on our website and at Heinze.de. We are also happy to create individual text templates for your projects.

³ floor connections, details and other variants see page 42/43
⁹ customized version (not DIN-compliant)



Heavy-duty slot channel SRO without spacers

with welded in channel floor drain/upper part



CALCULATION ED (CHANNEL END DEPTH)

$$ED = ID + L \times 0.006 \text{ (ID, ED, L in mm)}$$

ID: Initial depth

ED: End depth

L: Channel length of the respective section up to the channel floor drain

Alternatively, higher initial depths and deviating gradients are generally possible.

GRADE

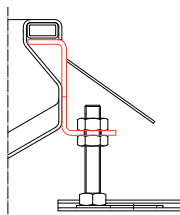
1.4301 (AISI 304) 1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)

CHANNEL MODEL	P [mm]	ID [mm]	Fall	welded in channel floor drain, vertical or horizontal outlet					
				DRSK-070/100	HK-070/100	DRS-100	H-100	DRS-150	H-150
SRO-70	70	75	0.6 %	+	+	+	+	+	+

Slot channel with 20 mm slot width

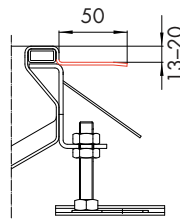
Channel floor drains with vertical or horizontal outlet, for details and other variants, see pages 24–25

STAINLESS STEEL FLOOR CONNECTIONS



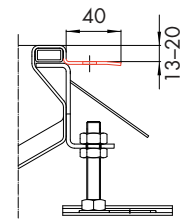
STANDARD

floor connection via wall anchors at a distance of 500mm with a continuous 3 mm thick and perforated Z-profile



HF, BONDING FLANGE³

edged and liquid-tight bonding flange for connecting floor coverings and seals as well as wall anchors every 500 mm



HFLALO, BONDING FLANGE, PERFORATED^{3,9}

edged bonding flange with perforation for connecting floor coverings and seals as well as wall anchors every 500 mm

OPTIONS



ASSEMBLY BRACKET

for mounting in previously created recesses, where floor fixing is not possible

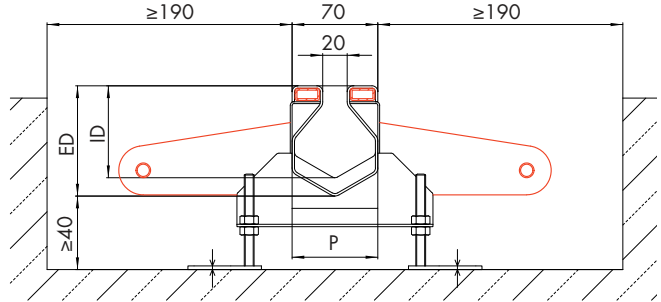
TENDER TEXT

Tender texts for our channels are available on our website and at Heinze.de. We are also happy to create individual text templates for your projects.

³ floor connections, details and other variants see page 42/43
⁹ customized version (not DIN-compliant)

Heavy-duty slot channel SRZ with tie rod

with welded in channel floor drain/upper part



CALCULATION ED (CHANNEL END DEPTH)

$$ED = ID + L \times 0.006 \text{ (ID, ED, L in mm)}$$

- ID:** Initial depth
- ED:** End depth
- L:** Channel length of the respective section up to the channel floor drain

Alternatively, higher initial depths and deviating gradients are generally possible.

GRADE

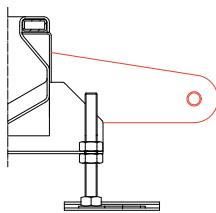
1.4301 (AISI 304) 1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)

CHANNEL MODEL	P [mm]	ID [mm]	Fall	welded in channel floor drain, vertical or horizontal outlet					
				DRSK-070/100	HK-070/100	DRS-100	H-100	DRS-150	H-150
SRZ-70	70	75	0.6 %	+	+	+	+	+	+
SRZ-90	90	110	0.6 %	+	+	+	+	+	+

Slot channel with 20 mm slot width

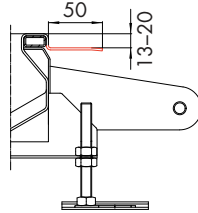
Channel floor drains with vertical or horizontal outlet, for details and other variants, see pages 24–25

STAINLESS STEEL FLOOR CONNECTIONS



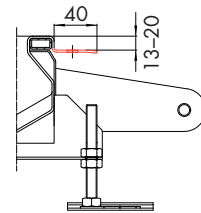
STANDARD

floor connection via wall anchors at a distance of 500 mm with an all-round perforated profile and laterally projecting tie rods at a distance of 500 mm apart, which are connected with reinforcement bars



HF, BONDING FLANGE³

edged and liquid-tight bonding flange for connecting floor coverings and seals as well as wall anchors every 500 mm



HFLALO, BONDING FLANGE, PERFORATED^{3,9}

edged bonding flange with perforation for connecting floor coverings and seals as well as wall anchors every 500 mm

OPTIONS



ASSEMBLY BRACKET

for mounting in previously created recesses, where floor fixing is not possible

TENDER TEXT

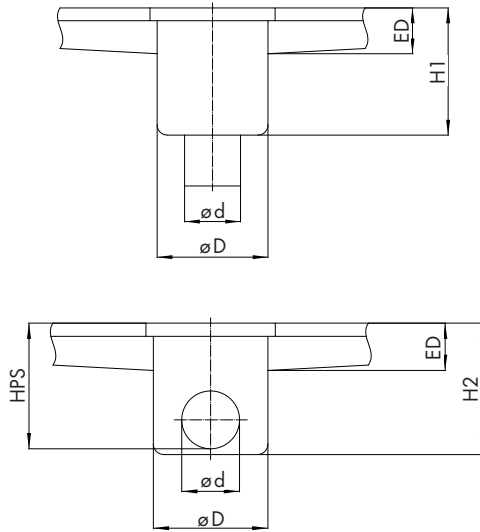
Tender texts for our channels are available on our website and at Heinze.de. We are also happy to create individual text templates for your projects.

³ floor connections, details and other variants see page 42/43
⁹ customized version (not DIN-compliant)

3.10 CHANNEL FLOOR DRAINS

RBE-DRS/RBE-H

welded in



RBE-DRS, STANDARD

one part channel floor drains, optionally with vertical or horizontal outlet, channels completely welded with the channel floor drain

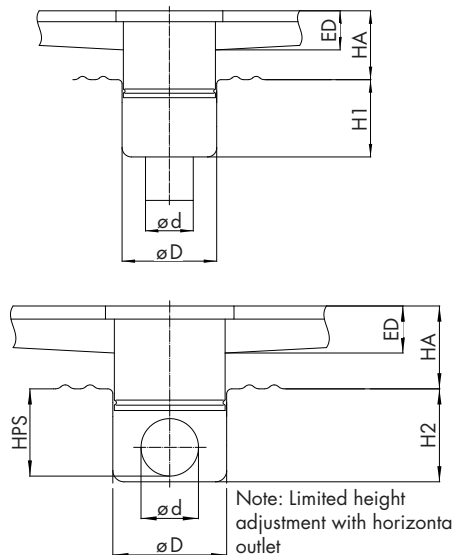
GRADE

1.4301 (AISI 304)
1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)
(analog to the selected channel)

ED = Channel end depth up to 100 mm.
For greater end depths H1, H2 and HPS increase accordingly.

CHANNEL FLOOR DRAIN	DN	Ø d [mm]	Ø D [mm]	H1 [mm]	H2 [mm]	HPS [mm]	Channel IKR and GKR				Channel VKR	Channel SRD, SRO and SRZ
							070-150 until 120-200	170-250	220-300	320-400 until 420-500		
RBE-DRSK-070-E/RD	70	75	183	260	300	282						
RBE-DRSK-100-E/RD	100	110	183	260	300	275	+	-	-	-	+	+
RBE-DRS-100-E	100	110	218	300	300	289	+	+	-	-	+	+
RBE-DRS-100-RD												
RBE-DRS-150-E	150	160	283	355	365	349	+	+	+	-	+	+
RBE-DRS-150-RD												

↑ Other nominal sizes on request. ↓



RBE-H, STANDARD

two part channel floor drains, channels completely welded with the channel floor drain upper part, lower part with flange and optionally with vertical or horizontal outlet

GRADE

1.4301 (AISI 304)
1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)
(analog to the selected channel)

ED = Channel end depth as required
HA = Height of floor structure above of the sealing level

HA for vertical outlet according to specification
HA with horizontal outlet +/- 10 mm

CHANNEL FLOOR DRAIN ⁴	DN	Ø d [mm]	Ø D [mm]	H1 [mm]	H2 [mm]	HPS [mm]	Channel IKR and GKR				Channel VKR	Channel SRD, SRO and SRZ
							070-150 until 120-200	170-250	220-300	320-400 until 420-500		
RBE-HK-070-E/RD	70	75	183	119	160	140						
RBE-HK-100-E/RD	100	110	183	119	189	164	+	-	-	-	+	+
RBE-H-100-E	100	110	218	178	178	167	+	+	-	-	+	+
RBE-H-100-RD												
RBE-H-150-E	150	160	283	209	233	217	+	+	+	-	+	+
RBE-H-150-RD												

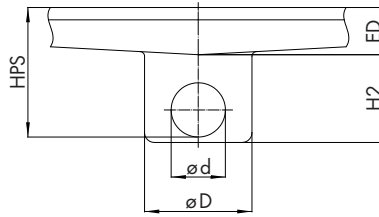
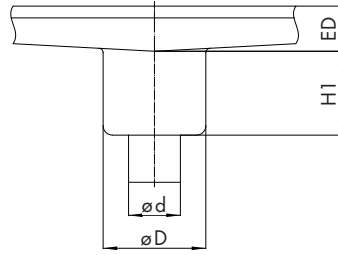
⁴ the height adjustment changes for flange versions with a clamping flange



3.20 CHANNEL FLOOR DRAINS

RBE-DRS/RBE-H

underwelded



RBE-DRS, STANDARD

one part channel floor drains, optionally with vertical or horizontal outlet, channels completely welded with the channel floor drain

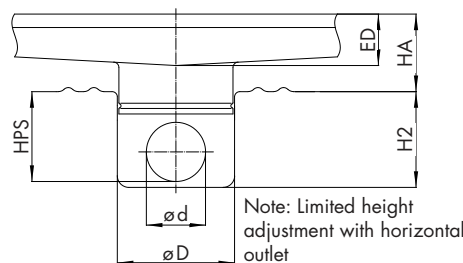
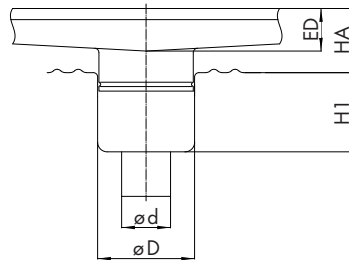
GRADE

1.4301 (AISI 304)
1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)
(analog to the selected channel)

ED = Channel end depth up to 100 mm

CHANNEL FLOOR DRAIN	DN	Ø d [mm]	Ø D [mm]	H1 [mm]	H2 [mm]	HPS [mm]	Channel IKR and GKR				Channel VKR	Channel SRD, SRO and SRZ
							070-150 until 120-200	170-250	220-300	320-400 until 420-500		
RBE-DRSK-070	70	75	183	159	159	139+ED	-	-	+	+	-	-
RBE-DRSK-100	100	110	183	159	159	159+ED	-	-	+	+	-	-
RBE-DRS-100	100	110	218	195	195	184+ED	-	-	+	+	-	-
RBE-DRS-150	150	160	283	235	276	260+ED	-	-	-	+	-	-

↑ Other nominal sizes on request. ↓



RBE-H, STANDARD

two part channel floor drains, channels completely welded with the channel floor drain upper part, lower part with flange and optionally with vertical or horizontal outlet

GRADE

1.4301 (AISI 304)
1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)
(analog to the selected channel)

ED = Channel end depth as required
HA = Height of floor structure above of the sealing level

HA for vertical outlet according to specification
HA with horizontal outlet +/- 10 mm

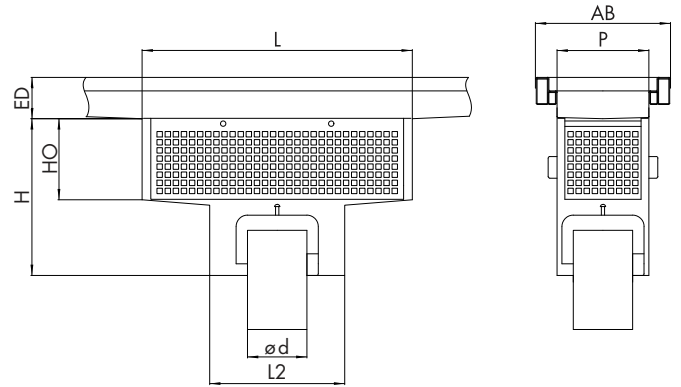
CHANNEL FLOOR DRAIN ⁴	DN	Ø d [mm]	Ø D [mm]	H1 [mm]	H2 [mm]	HPS [mm]	Channel IKR and GKR				Channel VKR	Channel SRD, SRO and SRZ
							070-150 until 120-200	170-250	220-300	320-400 until 420-500		
RBE-HK-070	70/	75	183	119	160	140	-	-	+	+	-	-
RBE-HK-100	100	110	183	119	189	164	-	-	+	+	-	-
RBE-H-100	100	110	218	178	178	167	-	-	+	+	-	-
RBE-H-150	150	160	283	209	233	217	-	-	-	+	-	-

⁴ the height adjustment changes for flange versions with a clamping flange

4.10 CHANNEL DRAINS

RSKH-S

centrally welded in or under, vertical



RSKH, STANDARD

with an air trap and a large filter basket above the water seal

GRADE

1.4301 (AISI 304) 1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)

(analog to the selected channel)

ED = Channel end depth

CHANNEL DRAIN – CENTER/END – VERTICAL

MODEL	DN	ø d [mm]	P [mm]	AB [mm]	L [mm]	L2 [mm]	L3 [mm]	H [mm]	HO [mm]	Flow rate [l/s]	Filter basket volume [l]	
											MIT	END
RSKH-090-070-MIT-S/-END-S	70	75	90	170	400	200	300	290	150	1.5	3.0	2.2
RSKH-120-070-MIT-S/-END-S	70	75	120	200	400	200	300	290	150	1.5	4.5	3.2
RSKH-170-100-MIT-S/-END-S	100	110	170	250	500	250	375	290	150	2.8	9.1	6.7
RSKH-220-100-MIT-S/-END-S	100	110	220	300	600	330	465	350	180	2.8	18.3	7.5
RSKH-220-150-MIT-S/-END-S	150	160	220	300	600	330	465	350	180	8.2	18.3	7.5
RSKH-320-150-MIT-S/-END-S	150	160	320	400	600	330	450	350	180	8.2	28.1	22.2
RSKH-320-200-MIT-S/-END-S	200	200	320	400	600	330	450	360	180	12.5	28.1	22.2
RSKH-420-200-MIT-S/-END-S	200	200	420	500	700	330	450	360	180	12.5	44.6	29.9
RSKH-420-250-MIT-S/-END-S	250	250	420	500	700	430	550	390	180	20.2	44.6	36.9

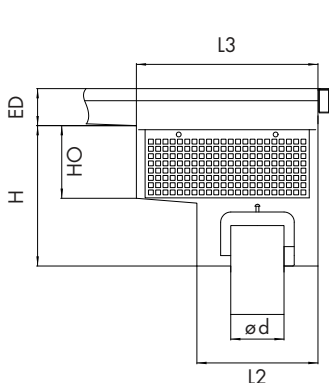
COVER VARIANTS

analog to the selected channel

STAINLESS STEEL FLOOR CONNECTION

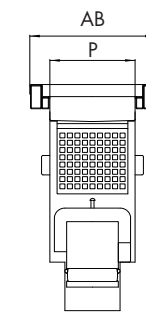
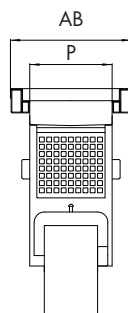
analog to the selected channel

OPTIONS



RSKH-END-S

channel drain at the end of the channel



GVS, AIR TRAP

with sealing, pluggable

TENDER TEXT

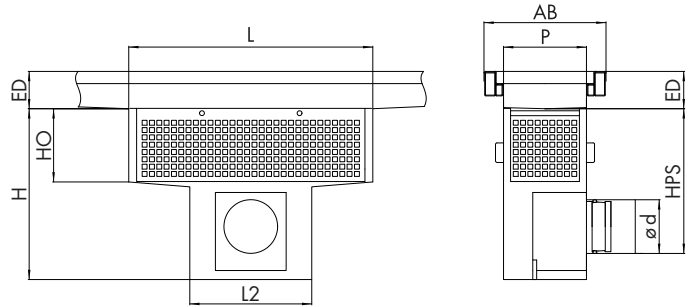
Tender texts for our channels are available on our website and at Heinze.de. We are also happy to create individual text templates for your projects.



4.20 CHANNEL DRAINS

RSKH-W

centrally welded in or under, horizontal



RSKH, STANDARD

with a pluggable air trap and a large filter basket above the water seal

GRADE

1.4301 (AISI 304) 1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)
(analog to the selected channel)

ED = Channel end depth

CHANNEL DRAIN – CENTER/END – HORIZONTAL

MODEL	DN	ø d [mm]	P [mm]	AB [mm]	L [mm]	L2 [mm]	L3 [mm]	H [mm]	HO [mm]	HPS [mm]	Flow rate [l/s]	Filter basket volume [l]	
												MIT	END
RSKH-090-070-MIT-W/-END-W	70	75	90	170	400	200	300	290	150	267	1.5	3.0	2.2
RSKH-120-070-MIT-W/-END-W	70	75	120	200	400	200	300	290	150	267	1.5	4.5	3.2
RSKH-170-100-MIT-W/-END-W	100	110	170	250	500	250	375	350	150	295	2.8	9.1	6.7
RSKH-220-100-MIT-W/-END-W	100	110	220	300	600	330	465	350	180	332	2.8	18.3	7.5
RSKH-220-150-MIT-W/-END-W	150	160	220	300	600	330	465	411	180	371	8.2	18.3	7.5
RSKH-320-150-MIT-W/-END-W	150	160	320	400	600	330	450	415	180	375	8.2	28.1	22.2
RSKH-320-200-MIT-W/-END-W	200	200	320	400	600	330	450	455	180	422	12.5	28.1	22.2
RSKH-420-200-MIT-W/-END-W	200	200	420	500	700	330	450	455	180	422	12.5	44.6	29.9
RSKH-420-250-MIT-W/-END-W	250	250	420	500	700	430	550	505	180	472	20.2	44.6	36.9

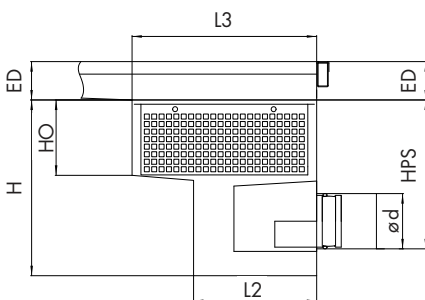
COVER VARIANTS

analog to the selected channel

STAINLESS STEEL FLOOR CONNECTION

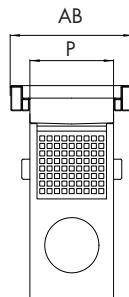
analog to the selected channel

OPTIONS



RSKH-END-W

channel drain at the end of the channel



TENDER TEXT

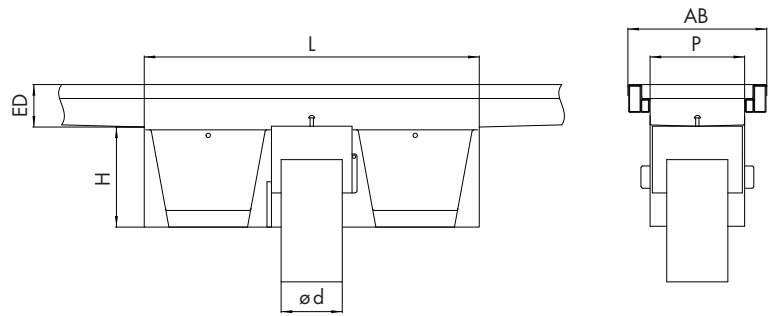
Tender texts for our channels are available on our website and at Heinze.de. We are also happy to create individual text templates for your projects.



4.30 CHANNEL DRAINS

RSKE-S

centrally welded in or under, vertical



RSKE, STANDARD
with a hinged air trap and
two large filter basket

GRADE

1.4301 (AISI 304) 1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)
(analog to the selected channel)

ED = Channel end depth

CHANNEL DRAIN – CENTER/END – VERTICAL

MODEL	DN	ø d [mm]	P [mm]	AB [mm]	L [mm]	L2 [mm]	H [mm]	Flow rate [l/s]	Filter basket volume [l]	
									MIT	END
RSKE-090-070-MIT-S/-END-S	70	75	90	170	600	400	180	1.5	2x1.8	1.8
RSKE-120-100-MIT-S/-END-S	100	110	120	200	600	400	180	2.8	2x2.3	2.3
RSKE-170-100-MIT-S/-END-S	100	110	170	250	600	400	180	2.8	2x4.1	4.1
RSKE-170-150-MIT-S/-END-S	150	160	170	250	700	550	180/210	8.2	2x4.1	5.5
RSKE-220-100-MIT-S/-END-S	100	110	220	300	600	400	180	2.8	2x5.0	5.0
RSKE-220-150-MIT-S/-END-S	150	160	220	300	800	550	210	8.2	2x7.4	7.4
RSKE-220-200-MIT-S/-END-S	200	200	220	300	1,000	650	250	12.5	2x8.7	8.7
RSKE-320-150-MIT-S/-END-S	150	160	320	400	800	550	210	8.2	2x11.3	11.3
RSKE-320-200-MIT-S/-END-S	200	200	320	400	1,000	600	250	12.5	2x15.0	15.0
RSKE-320-250-MIT-S/-END-S	250	250	320	400	1,000	650	280	20.2	2x15.0	15.0
RSKE-420-300-MIT-S/-END-S	300	315	420	500	1,050	750	280	29.8	2x19.7	19.7

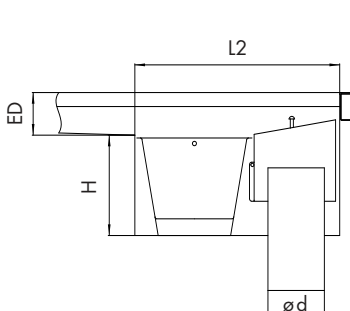
COVER VARIANTS

analog to the selected channel

STAINLESS STEEL FLOOR CONNECTION

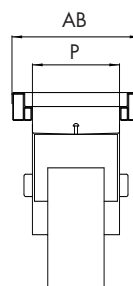
analog to the selected channel

OPTIONS



RSKE-END-S

channel drain at the end of the channel



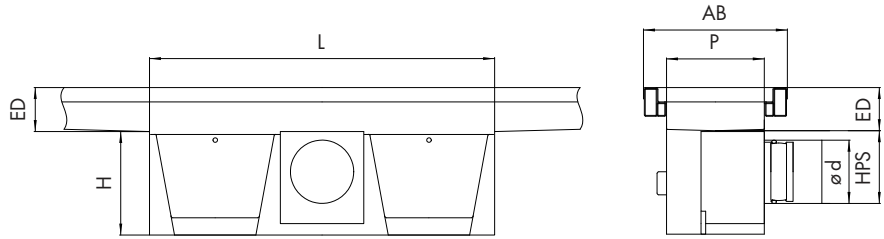
TENDER TEXT

Tender texts for our channels are available on our website and at Heinze.de. We are also happy to create individual text templates for your projects.

4.40 CHANNEL DRAINS

RSKE-W

centrally welded in or under, horizontal



RSKE, STANDARD

with a pluggable air trap and two large filter basket

GRADE

1.4301 (AISI 304) 1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)

(analog to the selected channel)

ED = Channel end depth

CHANNEL DRAIN – CENTER/END – HORIZONTAL

MODEL	DN	ø d [mm]	P [mm]	AB [mm]	L [mm]	L2 [mm]	H [mm]	HPS [mm]	Flow rate [l/s]	Filter basket volume [l]	
										MIT	END
RSKE-090-070-END-W	70	75	90	170	-	400	180	108	1.5		1.8
RSKE-120-070-END-W	70	75	120	200	-	400	180	108	1.5		2.3
RSKE-120-100-MIT-W/-END-W	100	110	120	200	600	400	180	108	2.8	2x2.3	2.3
RSKE-170-070-MIT-W/-END-W	70	75	170	250	600	400	180	108	1.5	2x4.1	4.1
RSKE-170-100-MIT-W/-END-W	100	110	170	250	600	400	180	125	2.8	2x4.1	4.1
RSKE-170-150-MIT-W/-END-W	150	160	170	250	700	550	210/250	150/160	8.2	2x4.1	5.5
RSKE-220-100-MIT-W/-END-W	100	110	220	300	600	400	180	125	2.8	2x5.0	5.0
RSKE-220-150-MIT-W/-END-W	150	160	220	300	800	550	210	170/150	8.2	2x7.4	7.4
RSKE-220-200-MIT-W/-END-W	200	200	220	300	1,000	600	250/320	225/220	12.5	2x8.7	8.7
RSKE-320-150-MIT-W/-END-W	150	160	320	400	800	550	210	170/150	8.2	2x11.3	11.3
RSKE-320-200-MIT-W/-END-W	200	200	320	400	1,000	600	250/300	200/210	12.5	2x15.0	15.0
RSKE-320-250-END-W	250	250	320	400	-	650	350	265	20.2	1x15.0	15.0

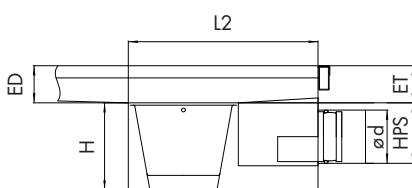
COVER VARIANTS

analog to the selected channel

STAINLESS STEEL FLOOR CONNECTION

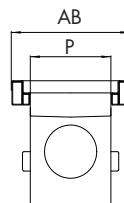
analog to the selected channel

OPTIONS



RSKE-END-W

channel drain at the end of the channel



TENDER TEXT

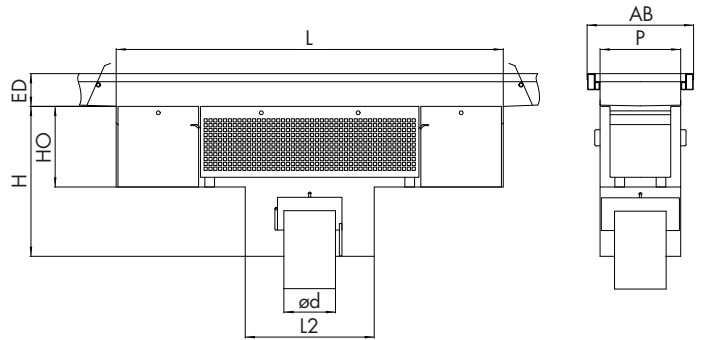
Tender texts for our channels are available on our website and at Heinze.de. We are also happy to create individual text templates for your projects.



4.50 CHANNEL DRAINS

GKSE-S

centrally welded in or under, vertical



GKSE, STANDARD

with a hinged air trap, two large glass traps and a centred stainless steel filter basket for corks and label

GRADE

1.4301 (AISI 304) 1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)
(analog to the selected channel)

ED = Channel end depth

CHANNEL DRAIN – CENTER/END – VERTICAL

MODEL	DN	Ø d [mm]	P [mm]	AB [mm]	L [mm]	L2 [mm]	L3 [mm]	H [mm]	HO [mm]	Flow rate [l/s]	Label trap vol. [l]		Glass trap vol. [l]	
											MIT	END	MIT	END
GKSE-220-100-MIT-S/-END-S	100	110	220	300	1,200	400	765	465	250	2.8	17.8	12.5	2x9.7	9.7
GKSE-220-150-MIT-S/-END-S	150	160	220	300	1,200	400	765	465	250	8.2	17.8	12.5	2x9.7	9.7
GKSE-320-100-MIT-S/-END-S	100	110	320	400	1,200	450	850	535	300	2.8	35.3	29.6	2x18.9	18.9
GKSE-320-150-MIT-S/-END-S	150	160	320	400	1,200	450	850	535	300	8.2	35.3	29.6	2x18.9	18.9
GKSE-320-200-MIT-S/-END-S	200	200	320	400	1,200	450	850	535	300	12.5	35.3	29.6	2x18.9	18.9
GKSE-420-250-MIT-S/-END-S	250	250	420	500	1,400	600	1,025	560	300	20.2	57.4	51.7	2x30.9	30.9
GKSE-420-300-MIT-S/-END-S	300	315	420	500	1,400	600	1,025	560	300	29.8	57.4	51.7	2x30.9	30.9

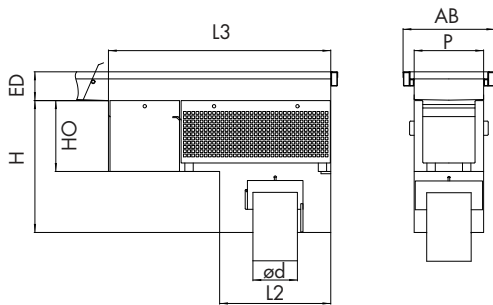
COVER VARIANTS

analog to the selected channel

STAINLESS STEEL FLOOR CONNECTION

analog to the selected channel

OPTIONS



GKSE-END-S

channel drain at the end of the channel

GKSE also available in a horizontal version on request.

TENDER TEXT

Tender texts for our channels are available on our website and at Heinze.de. We are also happy to create individual text templates for your projects.

**CERTIFIED
ACCORDING TO
THE EHEDG
GUIDELINES**



INNOVATIVE AND HYGIENIC

This innovative drainage solution developed by WIEDEMANN consists of channel, cover and floor drains incl. a patented air trap. This is without welding seams and can be completely dismantled for cleaning without the need for tools.

The outstanding properties are confirmed by a hygiene certification (in accordance with EHEDG guidelines) from the renowned Fraunhofer Institute in Stuttgart, which is based on a combination of requirements from existing basic specifications: EU GMP Annex 1, EHEDG Doc. 8 & Doc. 44, DIN EN1672-2 and ISO 14159.

Our product has also been awarded the highest possible classification (GMP C) for clean room classes for floor drains.



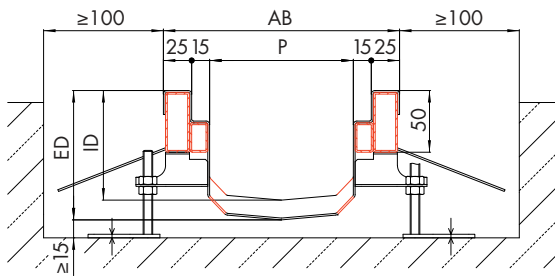
 **Fraunhofer**

5.10 HYGIENE BOX CHANNEL

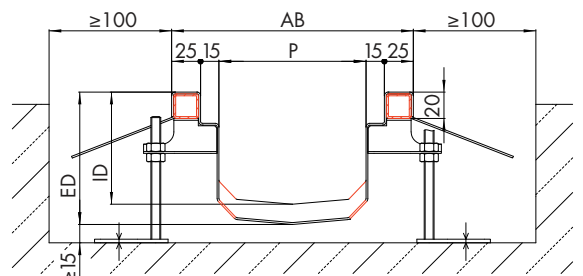
IKRH/GKRH (certified according to the EHEDG guidelines)

with welded in hygiene basin and underwelded hygiene floor drain

IKRH



GKRH



CALCULATION ED (CHANNEL END DEPTH)

$$ED = ID + L \times 0.006 \text{ (ID, ED, L in mm)}$$

- ID:** Initial depth
- ED:** End depth
- L:** Channel length of the respective section up to the channel floor drain

Alternatively, higher initial depths and deviating gradients are generally possible.

GRADE

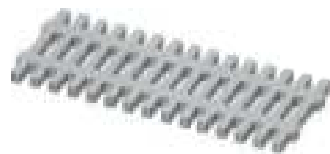
1.4301 (AISI 304) 1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)

CHANNEL MODEL	P [mm]	AB [mm]	ID [mm]	Fall	vertical outlet	horizontal outlet
IKRH/GKRH-070-150	70	150	60	0.6 %	+	+
IKRH/GKRH-090-170	90	170	60	0.6 %	+	+
IKRH/GKRH-120-200	120	200	60	0.6 %	+	+
IKRH/GKRH-170-250	170	250	66	0.6 %	+	+

COVER VARIANTS

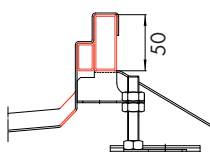


SR - BAR GRATE²
fully welded with the frame bar,
hygiene certified, according to the EHEDG
guidelines, slip resistance (R11)

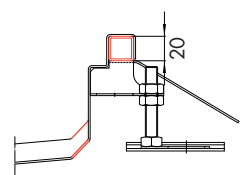


LR - LASER GRATE²
hygiene certified, according to the
EHEDG guidelines, t=15 mm/20 mm depending
on load requirement, slip resistance (R12)

STAINLESS STEEL FLOOR CONNECTIONS

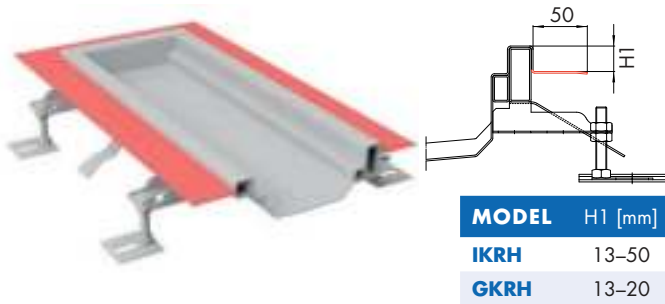


PROFILE, IKRH
grating support and channel edge reinforced with rectangular stainless steel profile, 50 mm high on the outside, and wall anchors every 500 mm



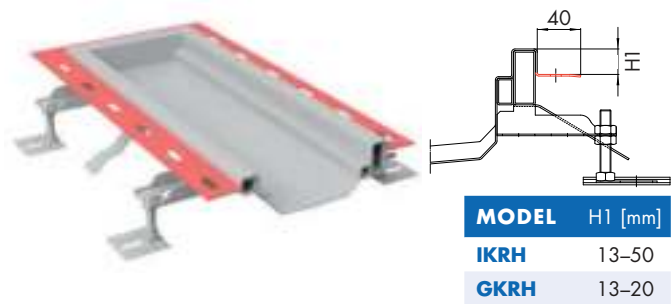
PROFILE, GKRH
channel edge reinforced with rectangular stainless steel profile, 20 mm high on the outside, and wall anchors every 500 mm

STAINLESS STEEL FLOOR CONNECTIONS



HF, BONDING FLANGE³

edged and liquid-tight bonding flange for connecting floor coverings and seals as well as wall anchors every 500 mm



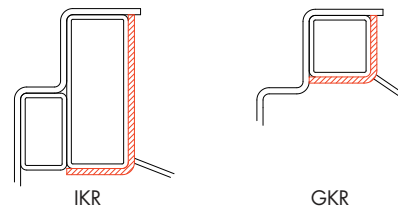
HFLALO, BONDING FLANGE, PERFORATED^{3,9}

edged bonding flange with perforation for connecting floor coverings and seals as well as wall anchors every 500 mm



ZP, Z-PROFILE³

grating support and channel edge reinforced with rectangular stainless steel profile. Additional profile edging as a continuous heavy-duty connection.

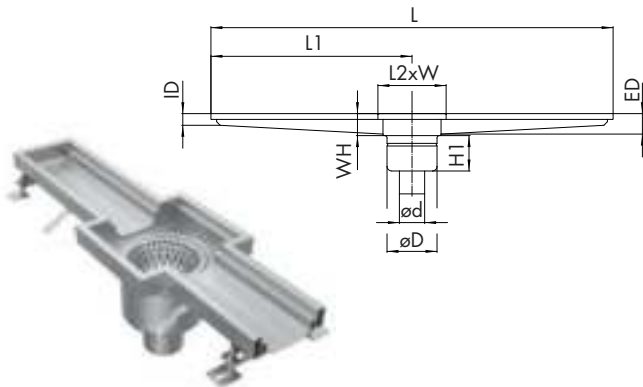


SK, SHARP-EDGED³

sharp-edged outer channel edge (laser cut) for optimum liquid-tight connection of floor coverings and seals as well as wall anchors every 500 mm

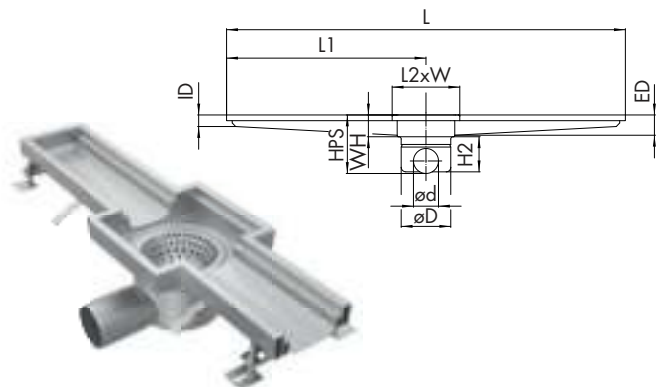
Some of the different floor connections can be combined, please enquire if necessary.

HYGIENE BASIN WITH UNDERWELDED HYGIENE FLOOR DRAIN, VERTICAL/HORIZONTAL OUTLET



RBE-HYG-100-S

hygiene basin welded in, vertical outlet



RBE-HYG-100-W

hygiene basin welded in, horizontal outlet

MODEL	DN	Ø d [mm]	Ø D [mm]	L2 [mm]	W [mm]	WH ¹⁰ [mm]	H1 ¹⁰ [mm]	H2 ¹⁰ [mm]	HPS ¹⁰ [mm]	Channel model
RBE-HYG-100-S	100	110	218	298	328	110	178	–	–	IKRH/GKRH 070–150 until 170–250
RBE-HYG-100-W	100	110	218	298	328	110	–	178	295	IKRH/GKRH 070–150 until 170–250

² load classes and other variants see page 40/41

³ floor connections, details and other variants see page 42/43

⁹ customized version (not DIN-compliant)

¹⁰ applies for ED ≤ 100 mm, for ED > 100 mm the dimension increases

TENDER TEXT

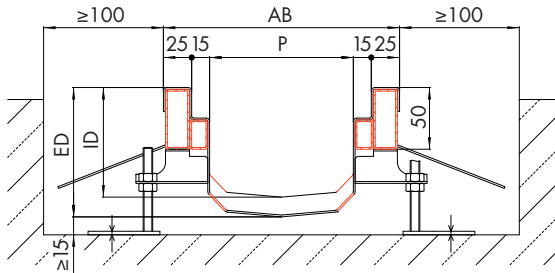
Tender texts for our channels are available on our website and at Heinze.de. We are also happy to create individual text templates for your projects.

5.20 HYGIENE BOX CHANNEL

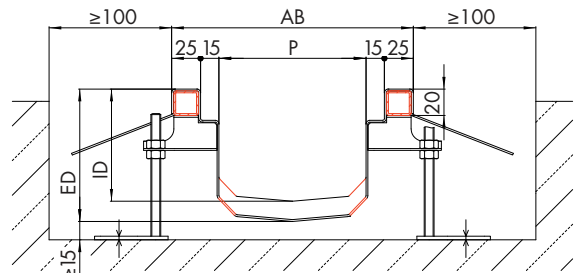
IKRH/GKRH (certified according to the EHEDG guidelines)

with underwelded hygiene floor drain

IKRH



GKRH



CALCULATION ED (CHANNEL END DEPTH)

$$ED = ID + L \times 0.006 \text{ (ID, ED, L in mm)}$$

- ID:** Initial depth
- ED:** End depth
- L:** Channel length of the respective section up to the channel floor drain

Alternatively, higher initial depths and deviating gradients are generally possible.

GRADE

1.4301 (AISI 304) 1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)

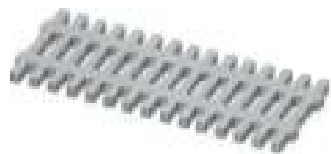
CHANNEL MODEL	P [mm]	AB [mm]	ID [mm]	Fall	vertical outlet	horizontal outlet
IKRH/GKRH-220-300	220	300	66	0.6 %	+	+
IKRH/GKRH-320-400	320	400	66	0.6 %	+	+
IKRH/GKRH-420-500	420	500	66	0.6 %	+	+

COVER VARIANTS



SR - BAR GRATE²

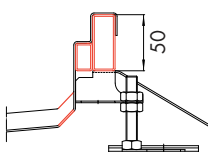
fully welded with the frame bar, hygiene certified, according to the EHEDG guidelines, slip resistance (R11)



LR - LASER GRATE²

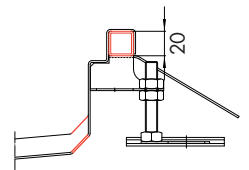
hygiene certified, according to the EHEDG guidelines, t=15 mm/20 mm depending on load requirement, slip resistance (R12)

STAINLESS STEEL FLOOR CONNECTIONS



PROFILE, IKRH

grating support and channel edge reinforced with rectangular stainless steel profile, 50 mm high on the outside, and wall anchors every 500 mm.



PROFILE, GKRH

channel edge reinforced with rectangular stainless steel profile, 20 mm high on the outside, and wall anchors every 500 mm.

STAINLESS STEEL FLOOR CONNECTIONS



HF, BONDING FLANGE³

edged and liquid-tight bonding flange for connecting floor coverings and seals as well as wall anchors every 500 mm



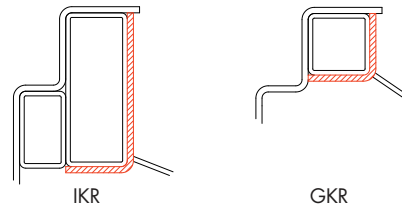
HFLALO, BONDING FLANGE, PERFORATED^{3,9}

edged bonding flange with perforation for connecting floor coverings and seals as well as wall anchors every 500 mm



ZP, Z-PROFILE³

grating support and channel edge reinforced with rectangular stainless steel profile. Additional profile edging as a continuous heavy-duty connection.



SK, SHARP-EDGED³

sharp-edged outer channel edge (laser cut) for optimum liquid-tight connection of floor coverings and seals as well as wall anchors every 500 mm

Some of the different floor connections can be combined, please enquire if necessary.

HYGIENE BASIN WITH UNDERWELDED HYGIENE FLOOR DRAIN, VERTICAL/HORIZONTAL OUTLET



RBE-HYG-100-S

hygiene floor drain underwelded, vertical outlet



RBE-HYG-100-W

hygiene floor drain underwelded, horizontal outlet

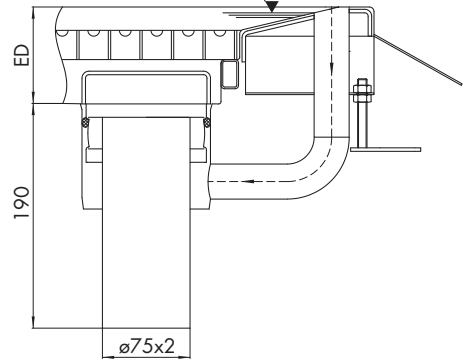
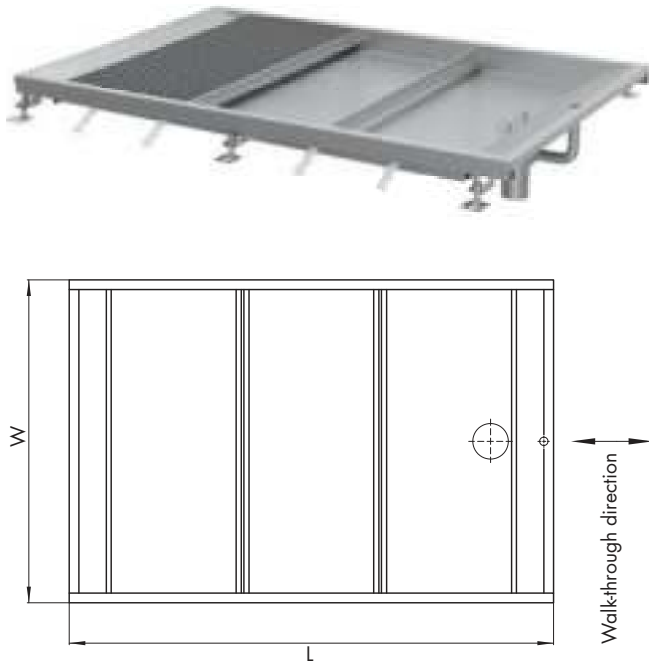
MODEL	DN	Ø d [mm]	Ø D [mm]	H1 [mm]	H2 [mm]	HPS [mm]	Channel model
RBE-HYG-100-S	100	110	218	178	-	-	IKRH/GKRH 220-300 until 420-500
RBE-HYG-100-W	100	110	218	-	178	185+ED	IKRH/GKRH 220-300 until 420-500

TENDER TEXT

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² load classes and other variants see page 40/41
³ floor connections, details and other variants see page 42/43
⁹ customized version (not DIN-compliant)

Disinfection walk-through basin DDSB



GRADE

1.4301 (AISI 304) 1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)

ED: End depth (according to technical specifications)

BASIN MODEL	L [mm]	W [mm]	ED [mm]	Basin drain
DDSB-1500-1000	1,500	1,000	85	Drain with socket for residual discharge
Other dimensions according to specification				

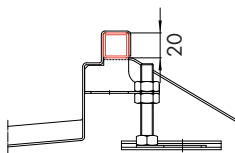
COVER VARIANTS



GR - MESH GRATING²

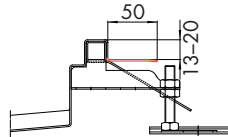
smooth (R10) or slip-resistant (R11-R13)

STAINLESS STEEL FLOOR CONNECTIONS



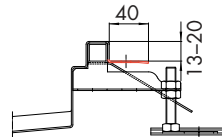
STANDARD

channel edge reinforced with rectangular stainless steel profile, 20 mm high on the outside, and wall anchors every 500 mm



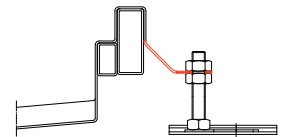
HF, BONDING FLANGE³

edged and liquid-tight bonding flange for connecting floor coverings and seals as well as wall anchors every 500 mm



HFLALO, BONDING FLANGE, PERFORATED^{3,9}

edged bonding flange with perforation for connecting floor coverings and seals as well as wall anchors every 500 mm



ZP, Z-PROFILE³

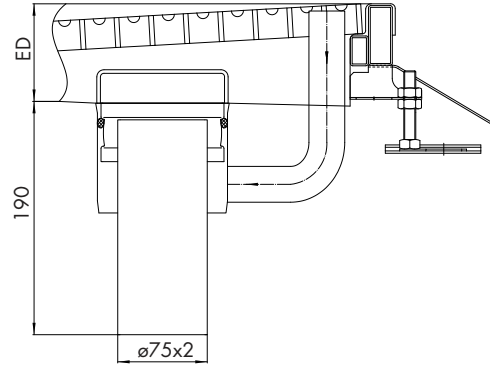
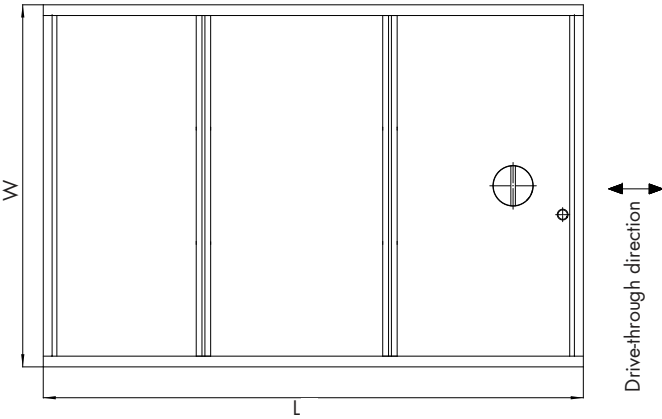
grating support and channel edge reinforced with rectangular stainless steel profile. Additional profile edging as a continuous heavy-duty connection.

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² load classes and other variants see page 40/41
³ floor connections, details and other variants see page 42/43
⁹ customized version (not DIN-compliant)

Disinfection drive-through basin DDFB



GRADE

1.4301 (AISI 304) 1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)

ED: End depth (according to technical specifications)

BASIN MODEL	L [mm]	W [mm]	ED [mm]	Basin drain
DDFB-	dimensions according to specification			drain with socket for residual discharge

COVER VARIANTS



GR - MESH GRATING²

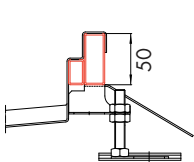
smooth (R10) or slip-resistant (R11–R13)



SR - BAR GRATE²

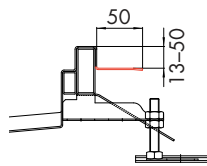
fully welded with the frame bar, slip resistance (R11)

STAINLESS STEEL FLOOR CONNECTIONS



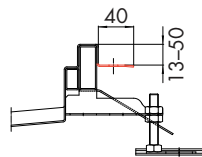
STANDARD

channel edge reinforced with rectangular stainless steel profile, 20 mm high on the outside, and wall anchors every 500 mm



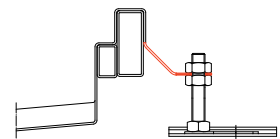
HF, BONDING FLANGE³

edged and liquid-tight bonding flange for connecting floor coverings and seals as well as wall anchors every 500 mm



HFLALO, BONDING FLANGE, PERFORATED^{3,9}

edged bonding flange with perforation for connecting floor coverings and seals as well as wall anchors every 500 mm



ZP, Z-PROFILE³

grating support and channel edge reinforced with rectangular stainless steel profile. Additional profile edging as a continuous heavy-duty connection.

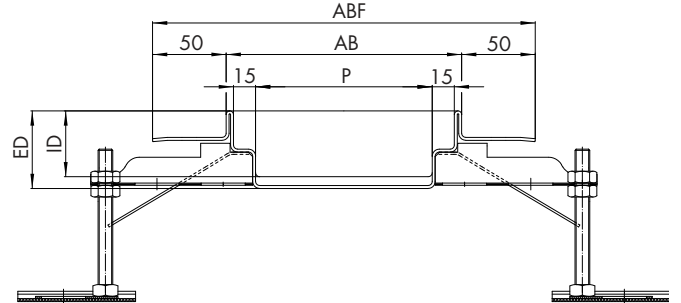
TENDER TEXT

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² load classes and other variants see page 40/41
³ floor connections, details and other variants see page 42/43
⁹ customized version (not DIN-compliant)



Shower channel DR



CALCULATION ED (CHANNEL END DEPTH)

$$ED = ID + L \times 0.006 \text{ (ID, ED, L in mm)}$$

ID: Initial depth

ED: End depth

L: Channel length of the respective section up to the channel floor drain

Alternatively, higher initial depths and deviating gradients are generally possible.

GRADE

1.4301 (AISI 304) 1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)

CHANNEL MODEL	P [mm]	AB [mm]	ABF [mm]	ID [mm]	Fall	Flow rate [l/s]		
						DN 50	DN 70	DN 100
DR-120-160	120	160	260	50	0.6 %	1.1	1.1	1.1

COVER VARIANTS



B - SHEET METAL²
perforation 8 mm,
3 mm material thickness



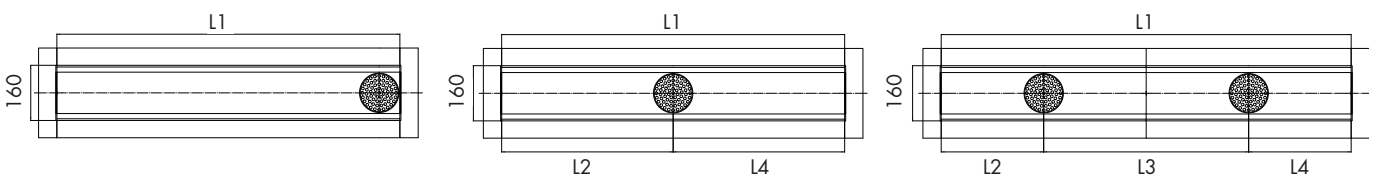
B - SHEET METAL²
slot width 8 mm,
3 mm material thickness

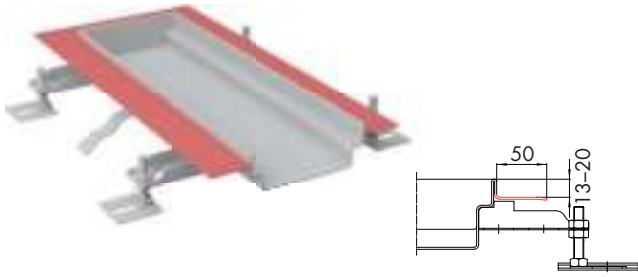


FS - TILE SHELL²
3 mm material thickness

Other slot variants and hole patterns on request.

POSITION CHANNEL FLOOR DRAIN

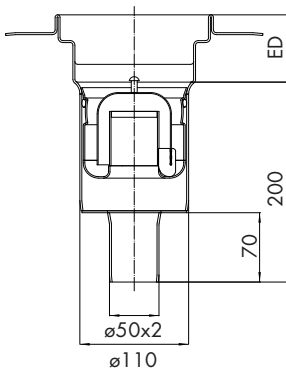




HF, BONDING FLANGE³

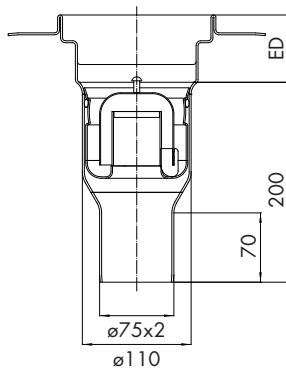
edged and liquid-tight bonding flange for connecting floor coverings and seals as well as wall anchors every 500 mm

VARIANTS CHANNEL FLOOR DRAIN



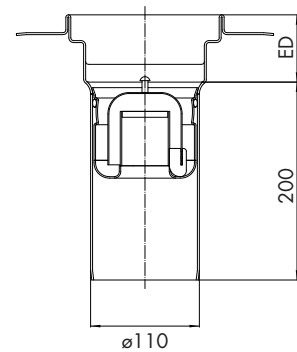
DR - RBE-S-50

channel floor drain, vertical outlet DN 50



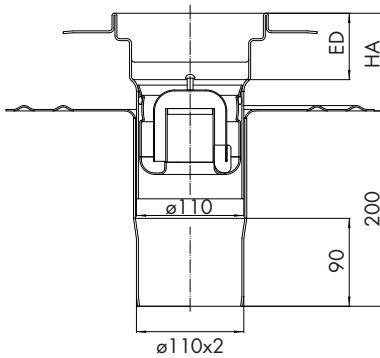
DR - RBE-S-70

channel floor drain, vertical outlet DN 70



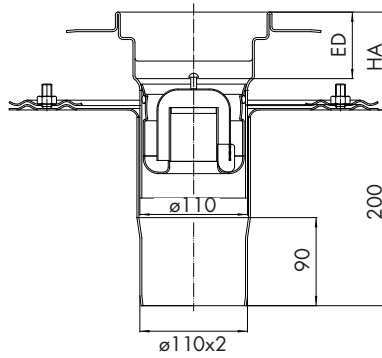
DR - RBE-S-100

channel floor drain, vertical outlet DN 100



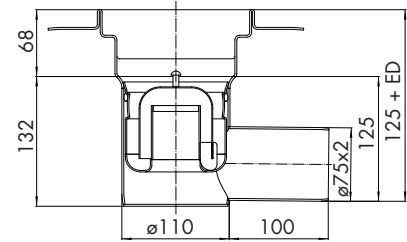
DR - RBE-S-100-KBF

channel floor drain, vertical outlet DN 100, two part, with adhesive flange



DR - RBE-S-100-KMF

channel floor drain, vertical outlet DN 100, two part, with adhesive and clamping flange



DR - RBE-W-70

channel floor drain, horizontal outlet DN 70

Other design variants on request

² load classes and other variants see page 40/41
³ floor connections, details and other variants see page 42/43

TENDER TEXT

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Cover variants



SR, BAR GRATE – M125/R11^{11,12}

capable of bearing heavy forklift operations, made of 8 mm support rods, clearance 18 mm



P, PLATE COVER – M125/R10^{11,12}

capable of bearing heavy forklift operations, with 10 mm sheet thickness and reinforced with bracing welded underneath, 10 mm drain slots on both sides



P/5, PLATE COVER – L15/R10¹¹

capable of bearing light traffic, with 5 mm sheet thickness and reinforced with bracing welded underneath, 10 mm drain slots on both sides



PTÄ/10, CHEQUER-PLATE COVER – M125/R11^{11,12}

capable of bearing heavy forklift operations, with a raised anti-slip surface, with 10 mm sheet thickness and reinforced with bracing welded underneath, 10 mm drain slots on both sides



PTÄ/5, CHEQUER-PLATE COVER – L15/R11¹¹

capable of bearing light traffic, with a raised anti-slip surface, with 5 mm sheet thickness and reinforced with bracing welded underneath, 10 mm drain slots on both sides



GR, MESH GRATING – L15-M125/R10-R13¹¹

mesh size 25 x 25 mm/30 x 10 mm, bearing bars 2, 3 or 4 mm and on request in anti-slip (smooth R10 or with anti-slip R11–R13) design available, filling bars in 10 x 2 mm/12 x 4 mm



B, SHEET METAL – K3/R10¹¹

walk-on cover, suitable for barefoot areas, with sheet thickness 3 mm, with round holes – \varnothing 8 mm/long slots max. 8 mm, approved for loads according to class K3

LR, LASER GRATE – R50-N250/R12¹¹

according to EHEDG guidelines, grate cleanly cut, absolutely seamless and jointless, all corners rounded



FS, TILE SHELL - K3

sheet metal cover for holding coatings or tiles, approved for loads according to class K3



SRK, BAR GRATE HINGED - M125/R11^{11,12}

the individual gratings are hinged between welded-in system crossbars via a pivot point and fixed in an inclined position. This allows cleaning can be carried out on all sides. The shelves are also secured against removal. This mechanism is designed for the industrial box channel IKR/GKR 090-170 | 120-200 | 170-250 | 220-300 and is approved for loads in accordance with class M125



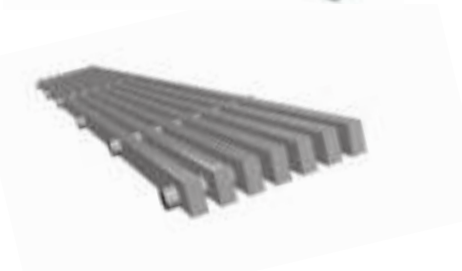
PK, PLATE COVER HINGED - M125/R10^{11,12}

the individual gratings are hinged between welded-in system crossbars via a pivot point and fixed in an inclined position. This allows cleaning can be carried out on all sides. The shelves are also secured against removal. This mechanism is designed for the industrial box channel IKR/GKR 090-170 | 120-200 | 170-250 | 220-300 and is approved for loads in accordance with class M125



COVER BOLTED

all covers, also bar and grating covers, optionally bolted



RR, ROLL GRATE

for covering overflow channels in swimming pools and convector shafts, standard version from ADO made of plastic in white, non-slip thanks to grooved and ribbed profiling according to DIN 51 097



PH, PLATE LIFTER

for lifting and lowering tile covers for drainage channels (only up to channel width 220-300)

¹¹ load classes according to EN 1253/slip resistance according to DIN 51130
¹² higher load class possible on request

Stainless steel floor connections



IKR, STANDARD

Grating support and channel edge reinforced with rectangular stainless steel profile. The wall anchors are low-injury and arranged on both sides at a distance of 500 mm apart on both sides. The particularly stable U-shaped mounting brackets have large penetrations to ensure maximum interlocking with the floor. The base plates, spaced 1,000 mm apart, are each fitted with a threaded rod for precise height adjustment.



GKR, STANDARD

Channel edge reinforced with rectangular stainless steel profile. The wall anchors are low-injury and arranged on both sides at a distance of 500 mm apart on both sides. The particularly stable U-shaped mounting brackets have large penetrations to ensure maximum interlocking with the floor. The base plates, spaced 1,000 mm apart, are each fitted with a threaded rod for precise height adjustment.



IKR-ZP

Grating support and channel edge reinforced with rectangular stainless steel profile. Additional profile edging as a continuous heavy-duty connection. Z-profiles attached to the side with 30 x 50 mm penetrations ensure perfect, and maximum interlocking with the flooring material. The outer row of slotted holes also accommodates the base plates with a threaded rod for precise height adjustment.



HF, BONDING FLANGE

For connection to plastic floorings or tiled floors using the thin-bed method. This Bonding flange is unperforated, in both floor inlet and channel, made impervious to fluids and with a standard width of 50 mm. It can be attached to either a square or round inlet rim of a single-part floor drain, or to the attachment piece of a two-part floor drain.

GKR profile
IKR profile



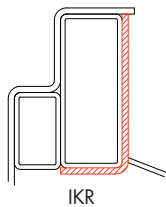
HFLALO, BONDING FLANGE, PERFORATED⁹

For better attachment of plastic floorings to the floor drains or channels. The bonding flange is perforated to achieve as good a connection as possible between flooring and drainage element and is usually only tacked. The standard width is 40 mm can be attached to either a square or round inlet rim of a single-part floor drain, or to the attachment piece of a two-part floor drain.



FAWI, TILE CONNECTION BRACKET

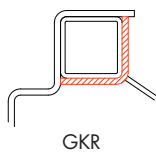
Protection for adjoining tiles against mechanical damage and for creating a maintenance and expansion joint in the event of thermal loads, spacers must be removed before grouting.



SK, SHARP-EDGED

The grating support and channel edge (model IKR) or the channel edge (model GKR) are reinforced with a stainless steel rectangular tube profile. The outer edge of the channel is sharp-edged, i.e. without a bending radius. It is compatible with the following welded to the subsequent profiles to form a liquid-tight seal.

The sharp-edged laser cut ensures optimum connection of floor coverings. The wall anchors are low-injury and arranged on both sides at a distance of 500 mm apart on both sides. The particularly stable U-shaped mounting brackets have large penetrations, to achieve maximum interlocking with the floor. The base plates 1,000 mm apart are each fitted with a threaded rod for precise height adjustment.



DIN 18534-3:2017-07

The flange width on drainage channels, floor drains and built-in parts must be at least 50 mm. This does not apply to factory-fitted sealing collars.

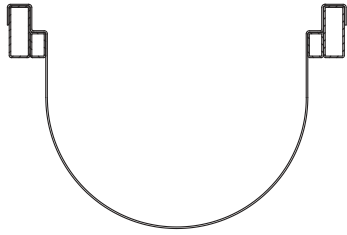
For W0-I to W2-I, a smaller flange width of ≥ 30 mm is permitted when verified by the manufacturer for drain and sealing collar using system-compliant sealing adhesive (reaction resin and 2-component MDS or equivalent) for the connection of adhesive flange to sealing tape or sealing collar and to the A1V-F.

For W3-I, flange widths ≥ 50 mm are required to seal the penetrations. Additional influences (e. g. increased chemical in commercial kitchens) may require larger flange widths.

The overlap of the sealing collar on the adjacent area must be at least 50 mm.

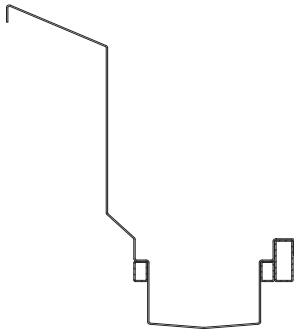
⁹ customized version (not DIN-compliant)

Options & channel shapes



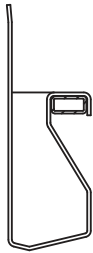
HALF-ROUND CHANNELS PROFILE

This so-called flume water or feather channel is particularly suitable for discharging large quantities of water that contain lettuce leaves or feathers.



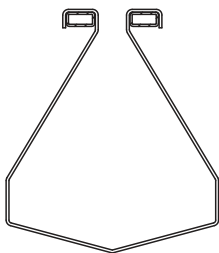
EDGE PROTECTION CHANNELS COMBINATION

This combination solution is ideal for rooms where forklifts or lifting gear is used, where for drainage gradient reasons the drainage has been installed next to the walls. At the same time one saves oneself the critical sealing point between the edge of the channel and the rising wall by having an upturn on the channel.



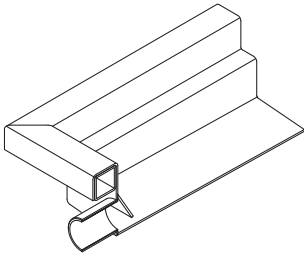
ASYMMETRICAL SLOT CHANNEL

Due to the traffic involved or for purely design reasons such an asymmetrical channel can be laid directly along the wall area. At the same time one saves oneself the critical sealing point between the edge of the channel and the rising wall by having an upturn on the channel.



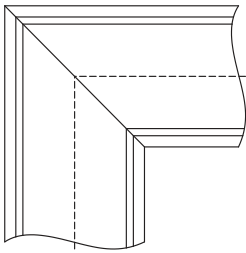
LARGE VOLUME SLOT CHANNEL

This special solution is an economical alternative to the combined trough channel and pipe. Pollutants can be drained off in a sort of "open pipe" where it can also be seen at the same time.



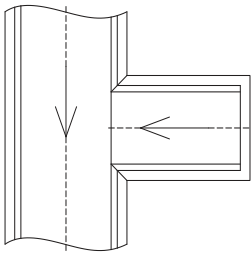
FLUSHING CONNECTION

To prevent the dirt loads from sticking in the channels due to insufficient water outside the cleaning phases, a flushing connection including baffle plate is provided at the end of the channel. The channel can be flushed by controlled by a pressure line installed on site.



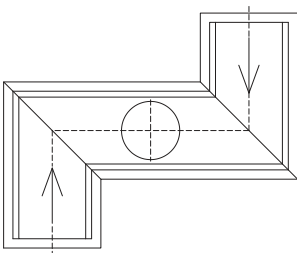
CORNER JOINTS

Both box and slot channels can be produced with corner joints.



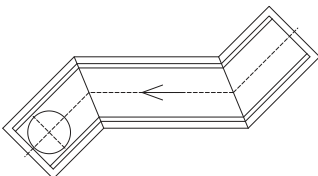
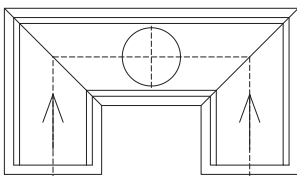
STUB CHANNEL

Stub channels are suitable for feeding water into the main channel for targeted drainage. The water drains directly into the channel. Your floor is largely protected from thermal and chemical stress.



EXAMPLES OF CHANNEL SHAPES

Depending on the construction situation, it may be necessary to use drainage channels in a special channel shape. These can be realized individually.



R90/120

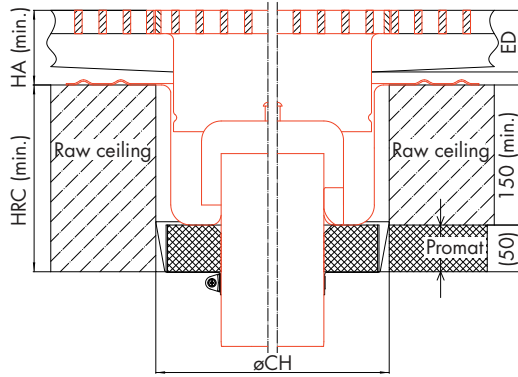
two part, welded in or underwelded, with fire protection cover – according to ABP P 3459/4006-MPA-BS

This fire protection approval is only valid for Germany.

The approval of our fire protection system must be agreed with the local authorities.

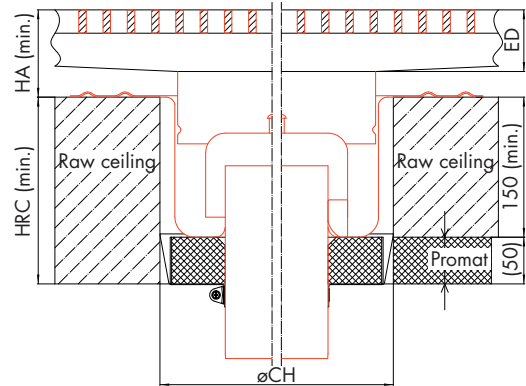
WITH FIRE PROTECTION COVER (-BS-BB)

welded in



WITH FIRE PROTECTION COVER (-BS-BB)

underwelded



MODEL ⁸	CH [mm]	HRC [mm]	HA [mm]	Fire resistance
H-070-S	200	≥ 200	≥ 60	R90/120 ⁷
HK-070-S	220	≥ 200	≥ 60	R90
H-100-S	250	≥ 200	≥ 60	R90/120 ⁷
HK-100-S	220	≥ 200	≥ 60	R90
H-150-S	350	≥ 200	≥ 60	R90/120 ⁷
79-070-S	300	≥ 200	≥ 40	R90/120 ⁷
79-100-S	350	≥ 200	≥ 40	R90/120 ⁷
96-070-S	300	≥ 200	≥ 40	R90/120 ⁷
96-100-S	350	≥ 200	≥ 40	R90/120 ⁷

SPECIAL FEATURES:

- Fire protection channel floor drain with a fire protection cover, therefore no mortaring. No additional components as standard, therefore low installation costs.
- Only one very small core hole (CH) required.
- Fire protection channel floor drain can be installed from above as standard.
- The floor construction above the raw ceiling can be consideration of the height of the unfinished ceiling (HRC) and the height of the floor structure (HA).
- Depending on the width, channels with an intermediate welded floor drain/upper part (see e. g. page 6) or a welded connection to the fire protection channel floor drain (see e. g. page 8).

HEIGHT OF FLOOR STRUCTURE (HA)

The required height results from the channel end depth (ED) plus a recommended channel underlay (≥ 15 mm).

The heights for bonding and clamping flanges as well as the minimum height HA must be taken into account.

⁷ R120 on request

⁸ approval is based on an existing water seal, an installed cover and, if necessary, an installed filter basket

R90/120

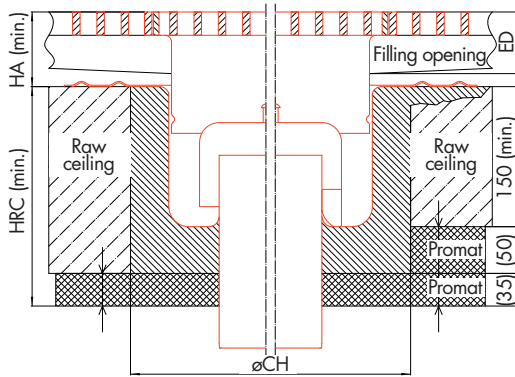
two part, welded in or underwelded, without fire protection cover – according to ABP P 3459/4006-MPA-BS

This fire protection approval is only valid for Germany.

The approval of our fire protection system must be agreed with the local authorities.

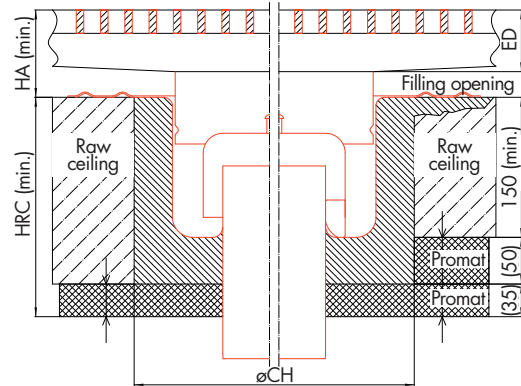
WITHOUT FIRE PROTECTION COVER (-BS-0BB)

welded in



WITHOUT FIRE PROTECTION COVER (-BS-0BB)

underwelded



MODEL ⁸	CH [mm]	HRC [mm]	HA [mm]	Fire resistance
H-070-S	200	≥ 200	≥ 60	R90/120 ⁷
HK-070-S	250	≥ 200	≥ 60	R90
HK-070-S	250	≥ 235	≥ 60	R120
H-100-S	300	≥ 235	≥ 46,5	R90/120 ⁷
HK-100-S	250	≥ 200	≥ 60	R90
HK-100-S	250	≥ 235	≥ 60	R120
H-150-S	350	≥ 270	≥ 60	R90/120 ⁷
79-070-S	300	≥ 200	≥ 40	R90/120 ⁷
79-100-S	350	≥ 200	≥ 40	R90/120 ⁷
96-070-S	300	≥ 200	≥ 20	R90/120 ⁷
96-100-S	350	≥ 200	≥ 20	R90/120 ⁷

SPECIAL FEATURES:

- The core hole can also be created as an angular ceiling, breakthrough and must be grouted via filling openings in the bare ceiling.
- The floor construction above the raw ceiling can be consideration of the height of the unfinished ceiling (HRC) and the height of the floor structure (HA).
- If there is sufficient sub-covering from the base of the floor drain the lower Promat plate can be omitted if necessary. Please enquire about minimum subcovering.
- Depending on the width, channels with an intermediate welded floor drain/upper part (see e. g. page 6) or a welded connection to the fire protection channel floor drain (see e. g. page 8).

HEIGHT OF FLOOR STRUCTURE (HA)

The required height results from the channel end depth (ED) plus a recommended channel underlay (≥ 15 mm).

The heights for bonding and clamping flanges as well as the minimum height HA must be taken into account

⁷ R120 on request

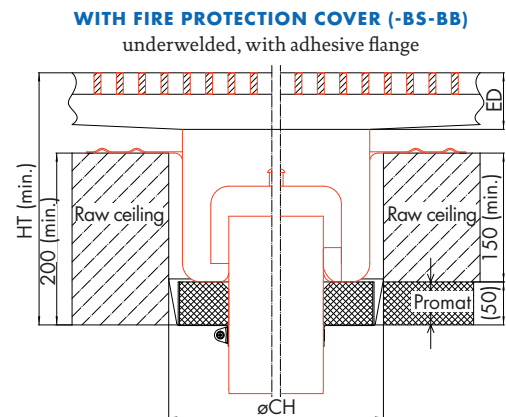
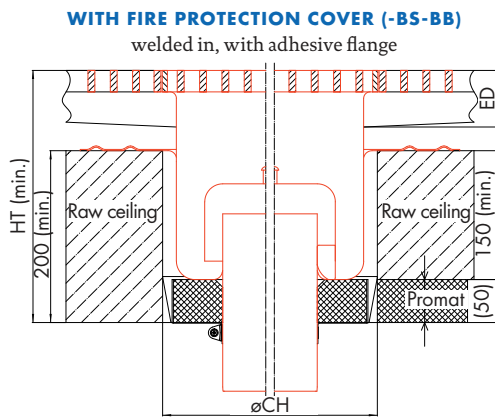
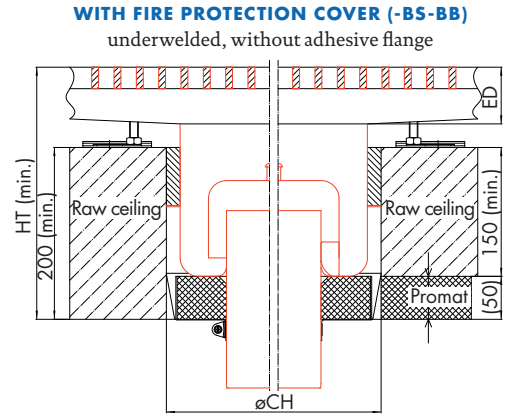
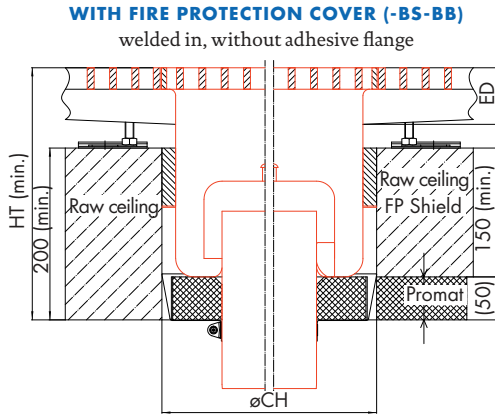
⁸ approval is based on an existing water seal, an installed cover and, if necessary, an installed filter basket

R90

one part, welded in or underwelded, with fire protection cover – according to ABP P 3459/4006-MPA-BS

This fire protection approval is only valid for Germany.

The approval of our fire protection system must be agreed with the local authorities.



MODEL ⁸ WELDED IN	Ø CH [mm]	HT [mm]	Fire resistance
RBE DR-070-E-S	200	≥ 265	R90
RBE DR-070-RD-S	200	≥ 265	R90
RBE DR-100-E-S	250	≥ 275	R90
RBE DR-100-RD-S	250	≥ 275	R90
RBE DR-150-E-S	350	≥ 260	R90
RBE DR-150-RD-S	350	≥ 260	R90
RBE DRS-070-E-S	200	≥ 315	R90
RBE DRS-070-RD-S	200	≥ 315	R90
RBE DRSK-070-E-S	220	≥ 295	R90
RBE DRSK-070-RD-S	220	≥ 295	R90
RBE DRS-100-E-S	250	≥ 325	R90
RBE DRS-100-RD-S	250	≥ 325	R90
RBE DRSK-100-E-S	220	≥ 295	R90
RBE DRSK-100-RD-S	220	≥ 295	R90
RBE DRS-150-E-S	350	≥ 350	R90
RBE DRS-150-RD-S	350	≥ 350	R90

MODEL ⁸ UNDERWELDED	Ø CH [mm]	HT ⁶ [mm]	Fire resistance
RBE DR-070-S	200	≥ 260	R90
RBE DR-100-S	250	≥ 300	R90
RBE DR-150-S	350	≥ 275	R90
RBE DRS-070-S	200	≥ 295	R90
RBE DRSK-070-S	220	≥ 300	R90
RBE DRS-100-S	250	≥ 320	R90
RBE DRSK-100-S	220	≥ 300	R90
RBE DRS-150-S	350	≥ 330	R90
RBE HYG-100-S	250	≥ 300	R90

SPECIAL FEATURES:

- Fire protection channel floor drain with a fire protection cover, and a fire protection shield to fix the partial mortar (if no adhesive flange)
- No additional components as standard and can be installed completely from above, therefore low installation costs.
- Depending on the width, channels with an intermediate welded floor drain/upper part (see e. g. page 6) or a welded connection to the fire protection channel floor drain (see e. g. page 8).

TOTAL HEIGHT (HT MIN.)

Above the raw ceiling, the floor structure can be designed individually, taking into account the HT min., the channel end depth (ED) and a recommended channel underlay (≥ 15 mm). The fire protection channel floor drain can be raised as required above and below the raw ceiling

⁶ HT required with an ED of 100 mm, with higher or lower ED the HT changes accordingly, but must not fall below HT min. according to approval

⁸ approval is based on an existing water seal, an installed cover and, if necessary, an installed filter basket

R90/120

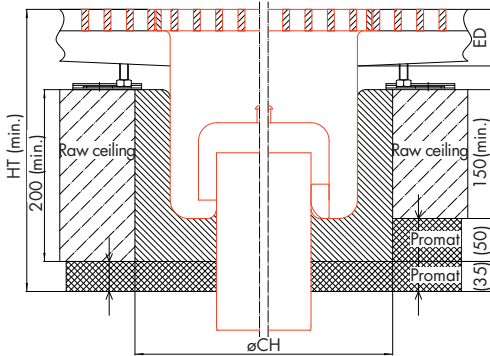
one part, welded in or underwelded, without fire protection cover – according to ABP P 3459/4006-MPA-BS

This fire protection approval is only valid for Germany.

The approval of our fire protection system must be agreed with the local authorities.

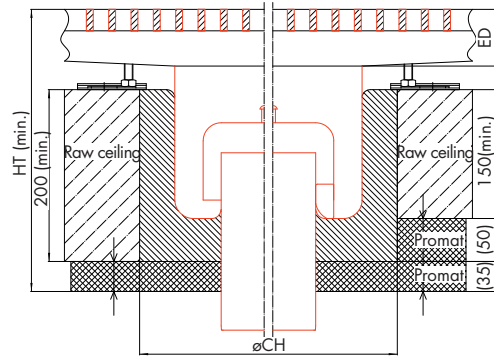
WITHOUT FIRE PROTECTION COVER (-BS-0BB)

welded in, without adhesive flange



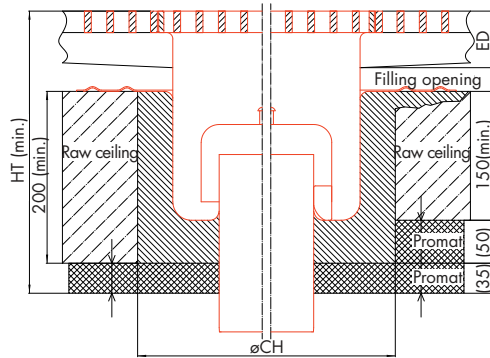
WITHOUT FIRE PROTECTION COVER (-BS-0BB)

underwelded, without adhesive flange



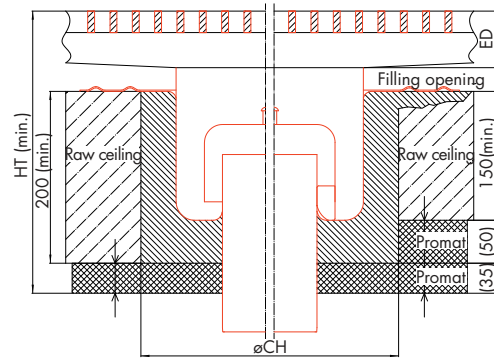
WITHOUT FIRE PROTECTION COVER (-BS-0BB)

welded in, with adhesive flange



WITHOUT FIRE PROTECTION COVER (-BS-0BB)

underwelded, with adhesive flange



MODEL ⁸ WELDED IN	ø CH [mm]	HT [mm]	Fire resistance
RBE DR-070-E-S	200	≥ 280	R90/R120 ⁷
RBE DR-070-RD-S	200	≥ 280	R90/R120 ⁷
RBE DR-100-E-S	300	≥ 295	R90/R120 ⁷
RBE DR-100-RD-S	300	≥ 295	R90/R120 ⁷
RBE DR-150-E-S	350	≥ 300	R90
RBE DR-150-RD-S	350	≥ 300	R90
RBE DRS-070-E-S	200	≥ 330	R90/120 ⁷
RBE DRS-070-RD-S	200	≥ 330	R90/120 ⁷
RBE DRSK-070-E-S	220	≥ 310	R90
RBE DRSK-070-RD-S	220	≥ 310	R90
RBE DRS-100-E-S	300	≥ 345	R90/120 ⁷
RBE DRS-100-RD-S	300	≥ 345	R90/120 ⁷
RBE DRSK-100-E-S	220	≥ 310	R90
RBE DRSK-100-RD-S	220	≥ 310	R90
RBE DRS-150-E-S	350	≥ 405	R90
RBE DRS-150-RD-S	350	≥ 405	R90

MODEL ⁸ UNDERWELDED	ø CH [mm]	HT ⁶ [mm]	Fire resistance
RBE DR-070-S	200	≥ 280	R90/R120 ⁷
RBE DR-100-S	300	≥ 325	R90/R120 ⁷
RBE DR-150-S	350	≥ 330	R90
RBE DRS-070-S	200	≥ 310	R90/R120 ⁷
RBE DRSK-070-S	220	≥ 320	R90
RBE DRS-100-S	300	≥ 340	R90/R120 ⁷
RBE DRSK-100-S	220	≥ 320	R90
RBE DRS-150-S	350	≥ 385	R90
RBE HYG-100-S	300	≥ 330	R90/R120 ⁷

SPECIAL FEATURES:

- The fire protection channel floor drain must be completely grouted in the core hole, if necessary also in the angular ceiling opening.
- If there is sufficient sub-covering from the base of the floor drain the lower Promat plate can be omitted if necessary. Please enquire about minimum subcovering.
- Depending on the width, channels with an intermediate welded floor drain/upper part (see e. g. page 6) or a welded connection to the fire protection channel floor drain (see e. g. page 8).

TOTAL HEIGHT (HT MIN.)

Above the raw ceiling, the floor structure can be designed individually, taking into account the HT min., the channel end depth (ED) and a recommended channel underlay (≥ 15 mm). The fire protection channel floor drain can be raised as required above and below the raw ceiling

⁶ HT required with an ED of 100 mm, with higher or lower ED the HT changes accordingly, but must not fall below HT min. according to approval

⁷ R120 on request

⁸ approval is based on an existing water seal, an installed cover and, if necessary, an installed filter basket

Fire protection floor drains

- The drain body must be installed in the ceiling in accordance to the approval. Minimum thickness of the raw ceiling (≥ 200 mm according to approval or customer specification).
- In addition, option B requires a fire protection building board (Promatect-LS or equivalent) must be installed below the ceiling. The required panel thickness is 35 mm. If there is sufficient subcovering from the lower edge of the floor drain to the lower edge of the raw ceiling, this can be omitted if necessary. Minimum underlay please inquire.
- The diameter of the core hole in the ceiling depends on the casing diameter (see approval or catalog specification), Core holes must be made dust-free.
- The distance of the component opening to be closed to other openings or installations must comply with the Specifications in the below table:

DISTANCE OF THE PIPE PENETRATION SEAL TO	Size of the adjacent openings	Distance between the openings
- other cable or pipe penetration seals	one/both opening(s) > 40 x 40 cm	≥ 20 cm
	both openings ≤ 40 x 40 cm	≥ 10 cm
- other openings or fixtures	one/both opening(s) > 20 x 20 cm	≥ 20 cm
	both openings ≤ 20 x 20 cm	≥ 10 cm

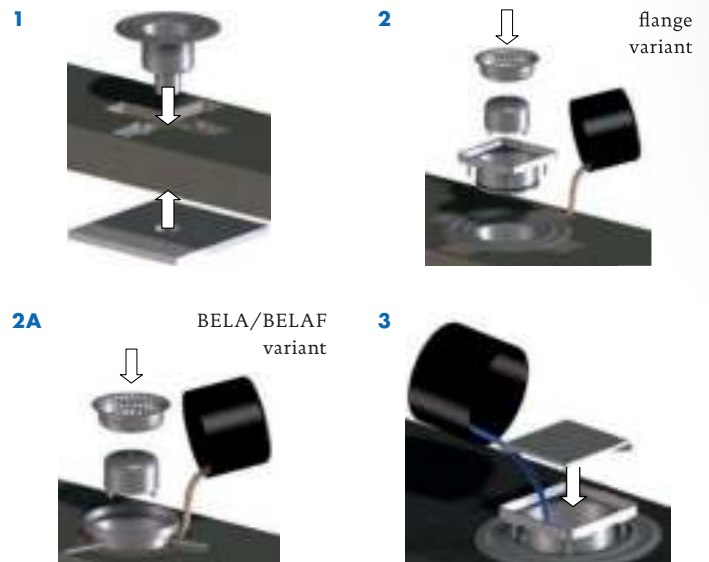
OPTION A: PROTECTION COVER

1. Assemble the lower part respectively the floor drain, the fire protection ring, the protection cover and the hose clamp.
2. Make the core hole, remove the dust completely and insert the assembled lower part respectively the floor drain.
- 2A. For the BELA/BELAF variant with one part floor drains (without flange), the annular gap between the drain body and the building component reveal up to the fire protection filled with dimensionally stable, non-combustible building materials such as materials such as mortar, concrete or gypsum must be sealed.
3. Insert upper part (only for two-part floor drains), air trap and, if necessary, filter basket.
4. Fill water seal, insert lid.



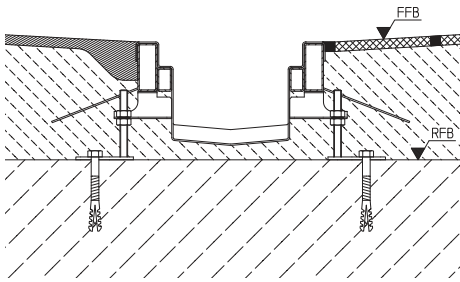
OPTION B: WITH MORTAR

1. Create core hole and sprue openings (width: approx. 80 mm, height: approx. 40 mm, sprue openings not necessary for BELA/BELAF variant), insert floor drain respectively lower part, place Promatect-LS fire protection cover and fix in place using the screw set supplied. If there is sufficient underlay, conventional formwork can also be used.
2. Annular gap between floor drain and the component reveal and, if applicable, sprue openings, must be filled with dimensionally stable, non-combustible building materials, e. g. mortar, concrete or gypsum, then the upper part (only for two-part floor drains), air trap and, if necessary, filter basket.
3. Fill water seal, insert lid.



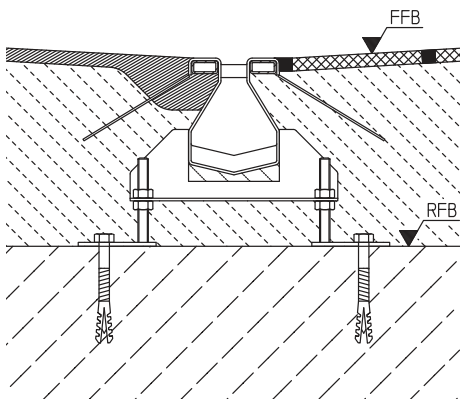


Channels/BOWA/basin



CHANNEL/BASIN

1. Check the floor height at the building site.
2. Connect the channel drains (drainage pipe) to the existing ground pipe.
3. Align the channel elements with a fixed point or axis (e. g. wall, pillar etc.).
4. Weld or flange the individual channel elements to form one unit.
5. To enable an uncomplicated mounting position a height adjustment piece should be attached to every assembly support to counteract any unevenness of the floor.
6. Once the channel has been exactly levelled it should be anchored (bored) to the unfinished floor using the assembly supports or adjustable feet. Heights should be checked approximately every 1,000 mm.
7. The channel is now to be encased in at the right height with concrete (Remember that the floor covering still has to be applied!). Cover the channel and floor drains to prevent debris entering. It may be necessary to use wooden spacers so that the cross-sectional area of the channel is not constricted when the concrete is poured. If the flooring used is epoxy resin we recommend a wedge-shaped joint zone around the channel edge (see the left hand side of the schematic sketch).
8. Pour the concrete and ensure that the concrete is well compacted, supporting the channels and drains.



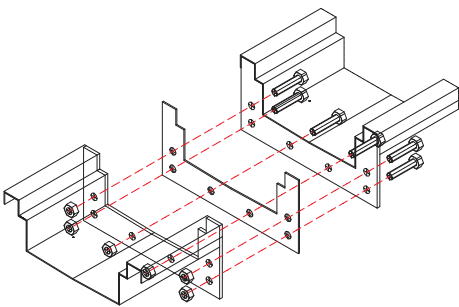
SLOT CHANNEL

1. Check the floor height at the building site.
2. Connect the channel drains (drainage pipe) to the existing ground pipe.
3. Align the channel elements with a fixed point or axis (e. g. wall, pillar etc.).
4. Weld or flange the individual channel elements to form one unit.
5. To enable an uncomplicated mounting position a height adjustment piece should be attached to every assembly support to counteract any unevenness of the floor.
6. Once the channel has been exactly levelled it should be anchored (bored) to the unfinished floor using the assembly supports or adjustable feet. Heights should be checked approximately every 1,000 mm.
7. The channel is now to be encased in at the right height with concrete (Remember that the floor covering still has to be applied!). **IMPORTANT:** The reinforcement profiles have to be sealed completely by the flooring material or the edge of the channel may separate from the floor. Cover the channel and floor drains to prevent debris entering. If the flooring used is epoxy resin flooring we recommend a wedge-shaped joint zone around the channel edge (see the left hand side of the schematic sketch).
8. Pour the concrete and ensure that the concrete is well compacted, supporting the channels and drains.



ASSEMBLY BRACKET

The crossbars are used to facilitate the installation of box- and slot channels in previously created recesses. The desired channel position can be perfectly adjusted using the threaded rods. Once the recesses have been cast, the crossbars can be used again.



FVB, FLANGE CONNECTIONS

1. Remove any dirt from the sealing surfaces and examine the seal for damage.
2. After aligning the channel elements with a fixed point or axis (e. g. wall, pillar etc.) screw the elements together as shown in the drawing (and don't forget the seal). Make sure the seal sits properly and that the edges of the channels fit together properly. Then tighten the screws.
3. Continue assembly in accordance with the channel installation instructions.

SEALING MATERIAL

TRADE NAME:	Perbunan, beige		
ABBREVIATED DESCRIPTION:	NBR 60 bright		
CHEMICAL DESCRIPTION:	Nitrile butadiene rubber		
FOOD UNOBJECTIONABLE ACC. TO:	BGVV XX1, Kat. 2		
NOTE:	KTW-approval		
TEMPERATURE:	- 30° C to + 80° C		
SUITABLE FOR:	Oil:	Acid:	Alkali:
	conditional	good	good

During assembly, the screw connections must be tightened to the prescribed torque using an adjustable, tested torque wrench suitable for this purpose to the specified torque.

FLANGE CONNECTION

BOX CHANNELS IKR/GKR/VKR	MA = 40 Nm
(SKT screw M10x35 strength class 70/SKT nut M10)	
SLOT CHANNELS SRD/SRO/SRZ	MA = 20 Nm
(SKT screw M8x30 strength class 70/SKT nut M8)	

Cleaning and care instructions for stainless steel

The instructions are provided as a general guide:

Warranty claims and claims for damages cannot be derived from this.

1. INTRODUCTION

It is well known that stainless steel has far greater resistance to corrosion than non-alloyed and low alloy steels. They are resistant to numerous aggressive media, and do not require any additional surface protection. Deposits on the surface of the stainless steel can however impair the corrosion resistance, which is why the stainless steel products you have purchased should receive a basic amount of cleaning and care.

2. RESISTANCE TO CORROSION

The alloy constituents included in the material result in a passive layer, only a few atoms thick, being created on the surface. The impact of oxygen in air and water results in this passive layer being regenerated time and again. Prerequisite for this is a bare metallic surface that is free of impurities. With proper selection and processing, stainless steels are materials of construction used in chloride-containing waters are permanently resistant to corrosion. As a rule, therefore, stainless austenitic steels, of the materials listed in materials designated as steel group 1 (e. g. 1.4301, 1.4307, 1.4541) or the materials designated as steel group 2 (e. g. 1.4401, 1.4404, 1.4571), are used. The decision in favor of one or the other type is primarily determined by the chloride ion content of the water in conjunction with the structural properties. Where higher salt concentrations and hot water temperatures, higher alloyed stainless steel can also be used. Higher alloyed stainless steels from groups 3 and 4, such as 1.4462, 1.4439 or 1.4529 and possibly even 1.4562, may be required.

3. INITIAL CLEANING

Initial basic cleaning is usually carried out after building work has been completed, and before the products have been put into initial operation by the developer. Stainless steel surfaces are often effectively protected by **plastic film** during transport, storage and assembly. This protective film does not however provide permanent protection against light and ultraviolet radiation, and are difficult to remove in place for a longer period of time. Remnants of protective film that are difficult to remove are left on the surface. It is therefore recommended that the protective film is removed as soon as it is no longer needed for protection on the building site, and within a few weeks of delivery at the latest. The film should always be peeled off from top to bottom. In order to avoid material sticking to the surface that could prevent creation of the passive layer, any remnants of film should be removed using warm water and a gentle detergent. **Lime and mortar splashes** can be removed with diluted phosphoric acid, and the area then thoroughly rinsed with a generous amount of clear water. Using demineralised water counteracts the creation of lime stains. Several detergent manufacturers offer special products for this purpose. Under no circumstances should you use cement stain remover for tiles or diluted hydrochloric acid. If either of these products should find its way onto the stainless steel surface, it must be immediately removed with plenty of clear water. Other building contractors, e. g. tile layers,

are not always aware of the damage that lime stain remover and diluted hydrochloric acid can cause to stainless steel. **Iron particles** from tools, scaffolding and transportation equipment must be removed without delay. Grinding dust, swarf and welding splatter from work being done on construction steel in the vicinity of work with stainless steel can accelerate rusting if they are deposited on stainless steel. This can result in localised penetration of the passive layer of the stainless steel causing pitting corrosion. If these contaminations are recognised in time, they can be removed using standard household (non-ferrite) cleaning pads or special cleansing products. Subsequent rinsing with plenty of clear water will clean the surface and give the material the chance to rebuild the passive layer. If corrosion has already started, a mechanical (or preferably stain) treatment of the surface is unavoidable. Stains are also available in paste form for local application. It is important to observe all environmental protection rules and the manufacturer's health and safety instructions when using such products. Specialised firms will often carry out such work on site on a subcontract basis. Treatment with stain will fully restore the original corrosion protection of stainless steel. This can however result in optical changes to the surface, so that it is necessary to finish the surface by sanding and polishing it. It is therefore recommended that contamination by tramp iron should be avoided from the very start, e. g. by using protective film or by carrying out all stainless steel work after work with construction steel has been completed.

4. ROUTINE CLEANING

Where stainless steel is used outside, the cleansing effect of rain is usually sufficient to prevent damaging deposits. Surfaces that cannot be reached by rain should be cleaned to ensure that there is no build up of contamination from air pollution. Cleaning stainless steel is particularly important in coastal and industrial surroundings where there can be a concentration of chlorides and sulphur dioxide (this also includes the undersides of horizontal profiles) for which the chosen type of steel is not designed. Where stainless steel is **used inside**, it is especially important to avoid and clean fingerprints. Stainless steel is available with a great variety of surfaces, some of which are specially designed for use in areas frequented by the public. It is possible to minimise later cleaning costs by making the right choice of surface during the planning phase. Fingerprints are an initial phenomenon with the popular brushed and sanded surfaces. Their visibility is significantly reduced after several cleaning sequences.

5. CLEANING AGENTS

A solution of washing up liquid is usually sufficient for removing **fingerprints**. Some manufacturers of cleaning materials offer special products whose cleansing effect is enhanced by a care product. Such cleaning agents completely remove fingerprints, leaving behind a fine film which gives the treated surfaces a homogenous appearance.

After cleaning, the surface should be polished with a dry cloth.

Bright annealed and mirror polished surfaces can be treated with chloride-free glass cleaners. **Stubborn dirt** can be removed using standard household cleansing milk, which also removes lime stains and minor discolorations. Subsequent rinsing with demineralised water (as used for steam irons, and usually available in supermarkets) prevents lime stains being created as it dries off. The surface should then be given a dry polishing. Scouring powder is not suitable, as it will scratch the surface. Very **oily and greasy dirt** can be removed using alcohol-based cleaning agents and solvents, e. g. rectified spirit, isopropyl alcohol or acetone, which are quite safe for stainless steel. Here it is necessary to make sure that the cleaning process does not spread the partially dissolved dirt across the whole surface. Cleaning must therefore be repeated using fresh cloths until all traces have been removed.

Special alkaline and solvent-based cleaning agents are available for **paint and graffiti**. Knives and scrapers should be avoided, because they will scratch the surface. Seriously neglected surfaces can also be treated with polish, such as that used for looking after chrome on cars. Another option is rubbing compound normally used for aged car paint, whereby it is necessary to take care because it can leave scratches on stainless steel.

Another alternative is special stainless steel cleaner that contains phosphoric acid, as recommended above for the removal of tramp iron contamination. When using this cleaner, it is important that the whole surface is treated to avoid staining. Whenever cleaning is carried out it always necessary to observe environmental and health and safety rules.

Cleaning agents that are unsuitable for stainless steel include:

- Products containing chlorides, especially products containing hydrochloric acid,
- Bleaches (in case of accidental application or bleach splashes the stainless steel should be generously rinsed with clear water),
- Silver polish.

6. CLEANING UTENSILS

A **damp cloth** or leather is usually sufficient to remove fingerprints. Standard household (**iron-free**) **cleaning pads** are used for more stubborn dirt. On no account should abrasive pads that contain iron, steel wool or steel brushes be used, because they will transfer rusting tramp iron to the surface of the stainless steel. **Soft nylon brushes** are suitable for cleaning surfaces that have been roller-patterned. Steel brushes (especially carbon steel brushes) cause damage.

Where the surfaces have been brushed or sanded (2G, 2J, 2K in accordance with DIN 10088/3) they should always be brushed in the direction they have been brushed/sanded, and not across the “grain”. When cleaning with water, the surfaces – especially in hardwater areas – should then be **dry wiped** to avoid creating lime stains. Demineralised water helps avoid this problem. To prevent tramp iron contamination you must not use any cleaning utensils that have been previously used for “normal” steel. You are recommended to keep **separate cleaning utensils** for use on stainless steel surfaces.

7. CLEANING INTERVALS

Cleaning intervals for stainless steel used indoors are basically the same as for any other surfaces. To keep the amount of work and costs to a minimum, the surfaces should always be cleaned before larger-scale soiling has a chance to build up. In outside areas, stainless steel can be subjected to a range of corrosive conditions, e. g.

- Coastal atmosphere,
- Factory fumes,
- Chloride-containing spray,
- Air pollution and traffic fumes.

These factors can lead to discoloration over time. Cleaning agents that contain phosphoric acid will reliably remove any discoloration. Where very high optical requirements are involved or where the stainless steel is in a corrosive atmosphere, a proven rule of thumb is to clean the surface as often as you would clean glass surfaces. Routine cleaning in low-contamination environments should be carried out every few years. Where there is more serious contamination, especially in covered areas not reached by rain, the surfaces should be cleaned at intervals of several months.

8. SOURCE

Leaflet 965 – Cleaning and care of stainless steel in the building industry (German Stainless Steel Information Office, Internet 2009)

CLEANING AND CARE AGENTS



SANDING FLEECE

- for removing dirt, corrosion and other soiling.
- for matting surfaces and light deburring work.



STAINLESS STEEL CLEANSER

- cleans stainless steel surfaces gently and thoroughly
- easily removes water marks, grease, tarnishing, adhesive and lime residues.



STAINLESS STEEL FINISH

- creates a nurturing and protective film on the surface to be treated
- removes plaster and wiping streaks, giving stainless steel a new shine.



WIEDEMANN-TECHNIK

Quality in stainless steel

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