

Schémas d'applications pour le collier en rouleau CFS-C EL



Applications pour industrie en voile rigide

- Tube plastique PE droit en voile rigide épaisseur 100 mm IND-RW-PP-0021/22/24/25
- Tube plastique PE droit en voile rigide épaisseur 150 mm IND-RW-PP-0023
- Tube plastique PE incliné en voile rigide épaisseur 100 mm IND-RW-PP-0112
- Tube plastique PE (jonction de tube ou tube au mur/
en coin) en voile rigide épaisseur 100 mm IND-RW-PP-0114
- Tube plastique PE (sans distance avec autres systèmes,
conlit ou CFS-B) en voile rigide épaisseur 100 mm IND-RW-PP-0120/121
- Tube plastique ABS et SAN+PVC droit en voile rigide
épaisseur 100 mm IND-RW-PP-0128/129
- Tube plastique ABS et SAN+PVC droit en voile rigide
épaisseur 150 mm IND-RW-PP-0130/131
- Tube plastique ABS et SAN+PVC incliné en voile rigide
épaisseur 100 mm IND-RW-PP-0136
- Tube plastique ABS et SAN+PVC (sans distance
avec autres systèmes, conlit ou CFS-B) en voile rigide
épaisseur 100 mm IND-RW-PP-0145/146

*) Tous les schémas sont également disponibles sur demande en format DWG pour faciliter l'insertion sur des plans.



CONTENTS

Straight plastic pipe in a rigid wall

ID

IND-RW-PP-0021

FIRESTOP COLLAR ENDLESS

0021_01

REV

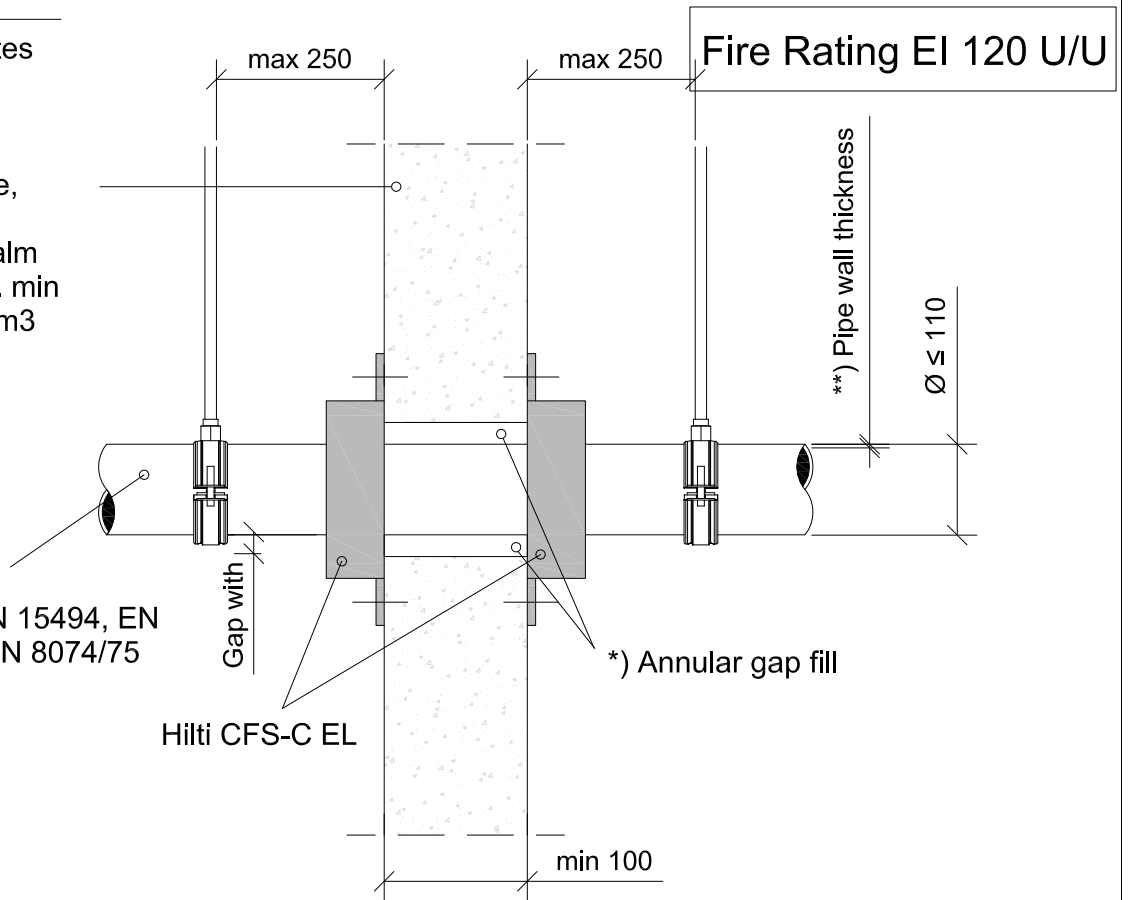
00

No scale

All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m³

PE Pipe acc EN 15494, EN 12201-2 and DIN 8074/75



*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementitious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

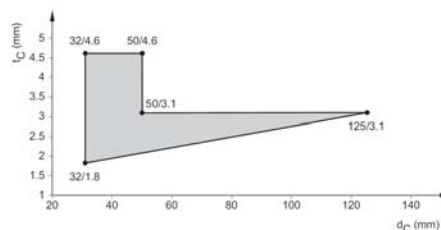
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions

**) The pipe wall thickness approved can be found in this graphic

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$





CONTENTS

Straight plastic pipe in a rigid wall

ID

IND-RW-PP-0022

FIRESTOP COLLAR ENDLESS

0022_01

REV

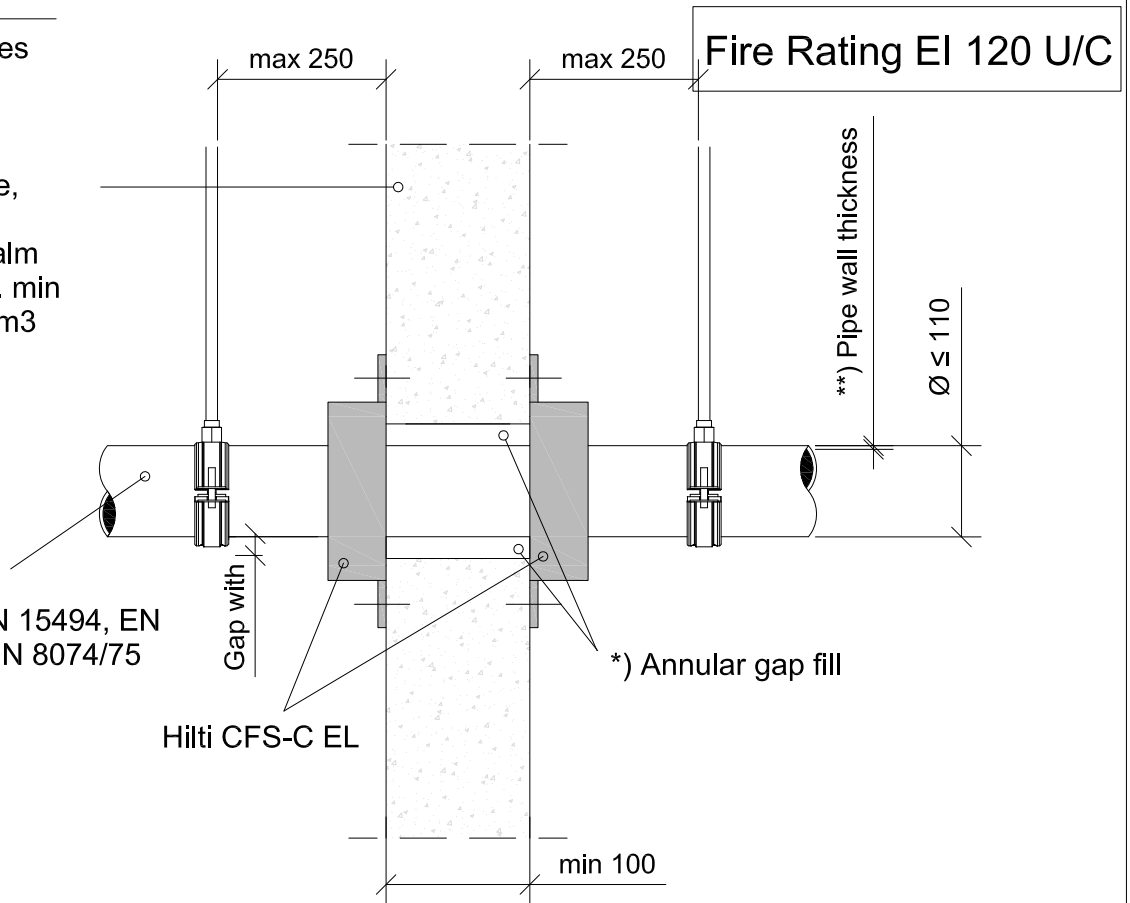
00

No scale

All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m³

PE Pipe acc EN 15494, EN 12201-2 and DIN 8074/75



*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

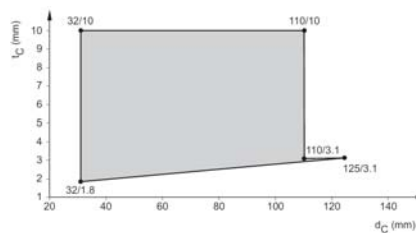
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions

**) The pipe wall thickness approved can be found in this graphic

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$





CONTENTS

Straight plastic pipe in a rigid wall

ID

IND-RW-PP-0023

FIRESTOP COLLAR ENDLESS

0023_01

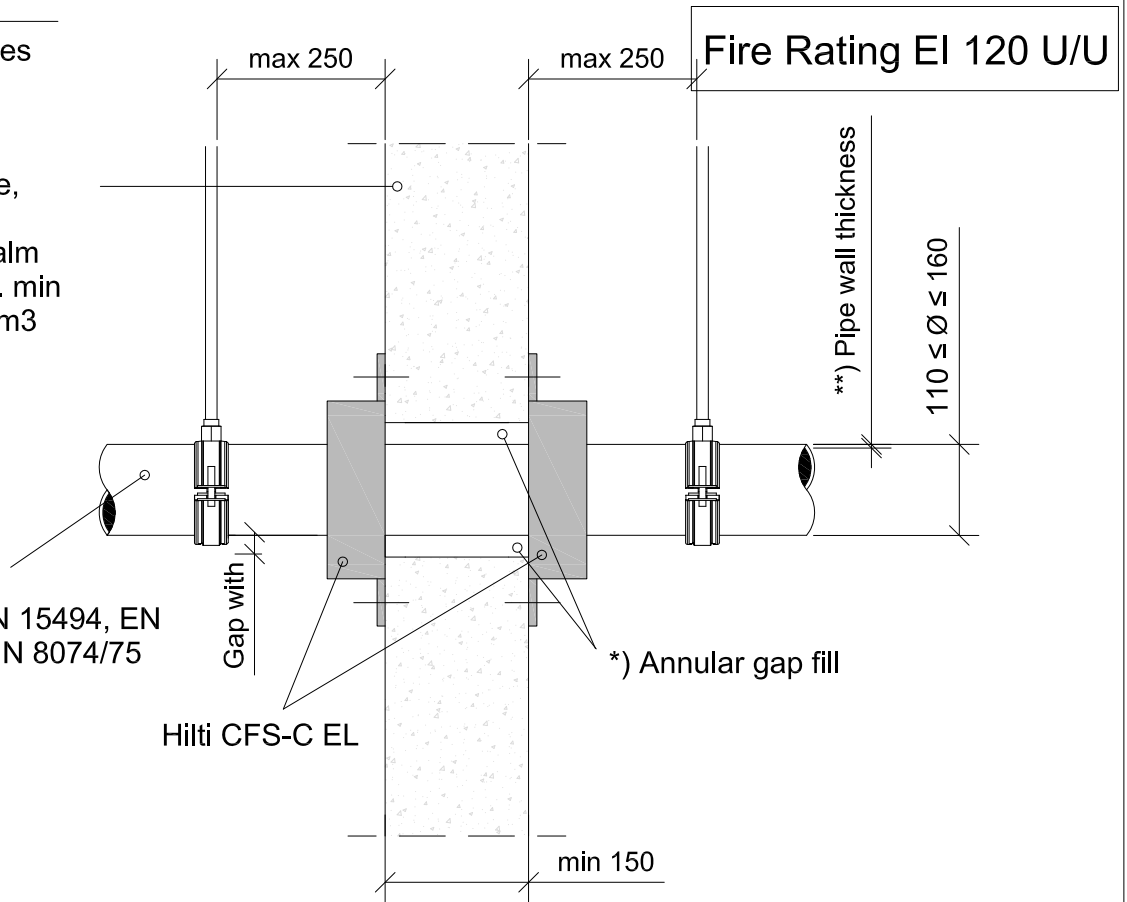
REV

00

No scale

All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m³



PE Pipe acc EN 15494, EN 12201-2 and DIN 8074/75

Hilti CFS-C EL

*) Annular gap fill

*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

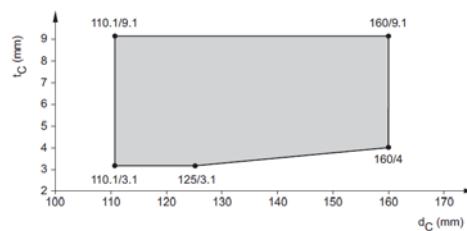
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions

**) The pipe wall thickness approved can be found in this graphic

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$





CONTENTS

Straight plastic pipe in a rigid wall

ID

IND-RW-PP-0024

FIRESTOP COLLAR ENDLESS

0024_01

REV

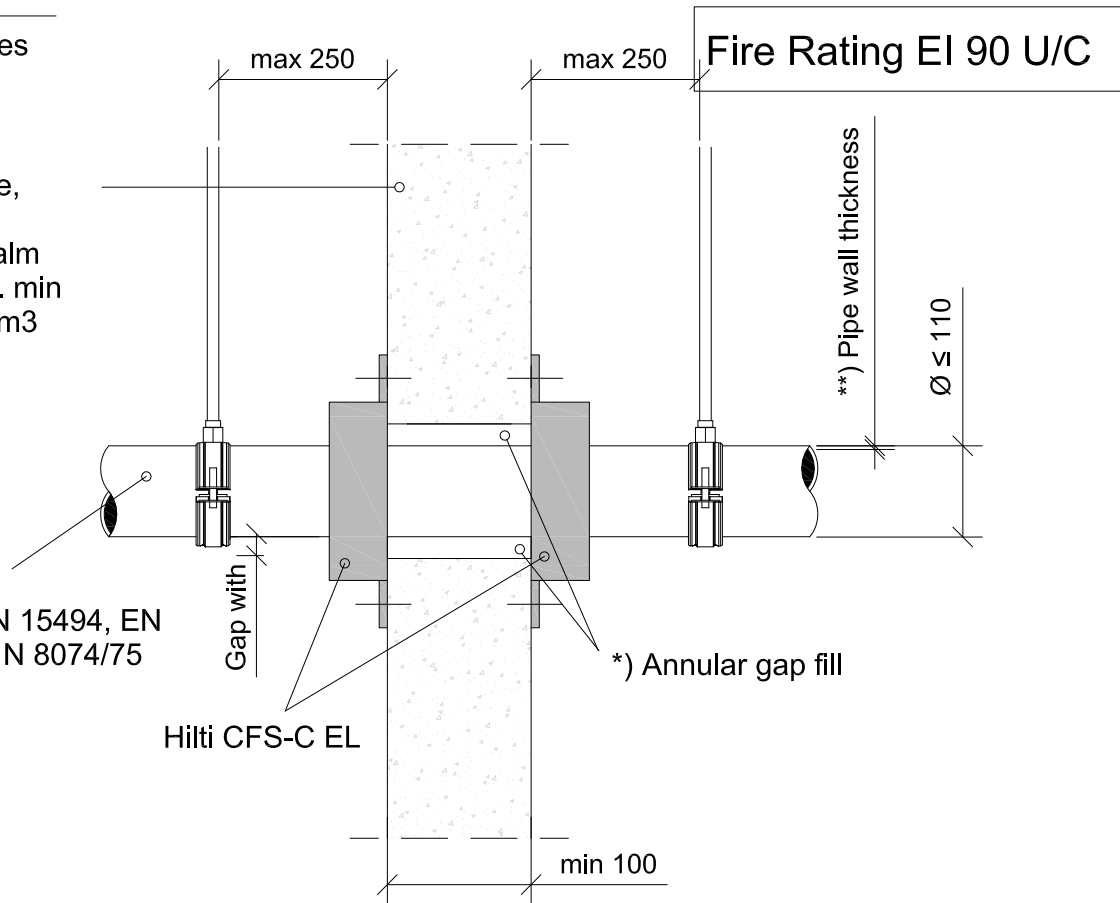
00

No scale

All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m³

PE Pipe acc EN 15494, EN 12201-2 and DIN 8074/75



*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

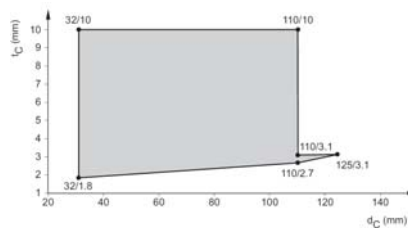
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions

**) The pipe wall thickness approved can be found in this graphic

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$





CONTENTS

Straight plastic pipe in a rigid wall

ID

IND-RW-PP-0025

FIRESTOP COLLAR ENDLESS

0025_01

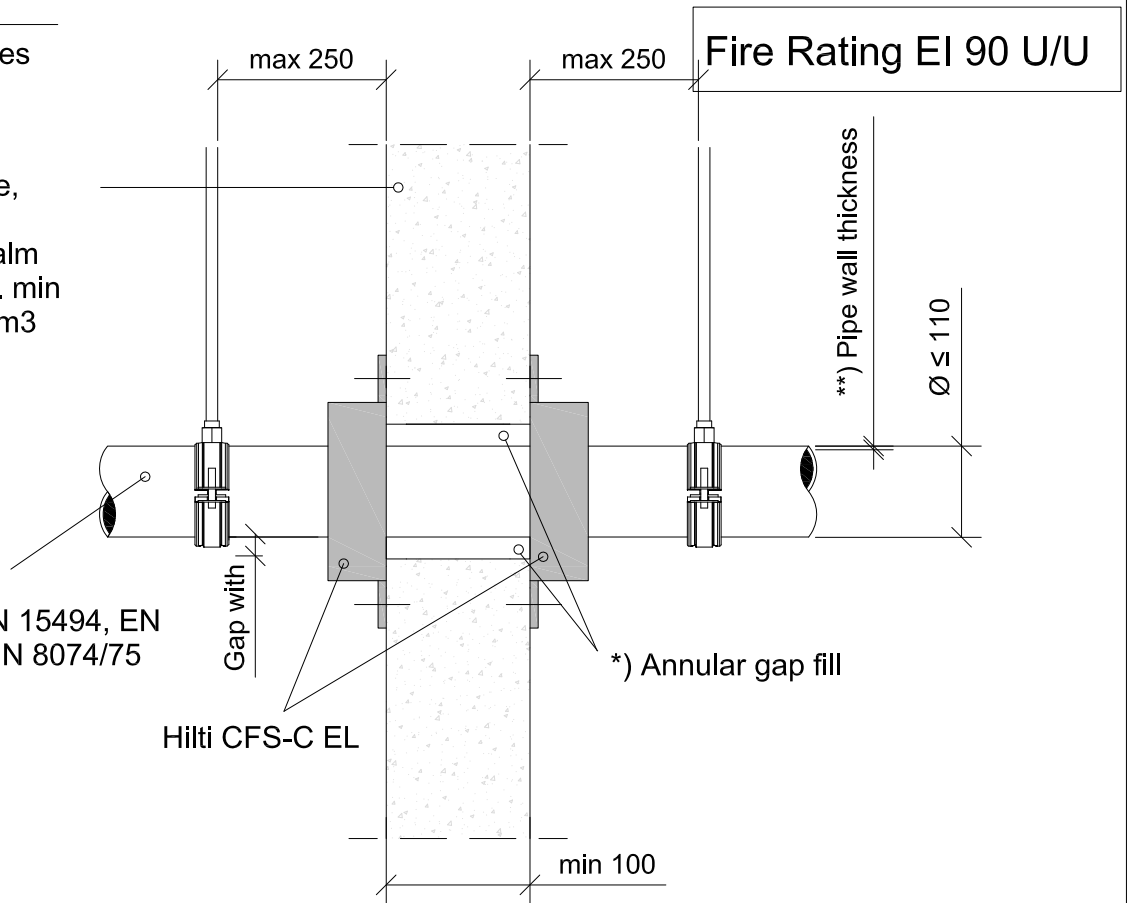
REV

00

No scale

All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m³



PE Pipe acc EN 15494, EN 12201-2 and DIN 8074/75

Gap with

Hilti CFS-C EL

*) Annular gap fill

**) Pipe wall thickness

Ø ≤ 110

min 100

*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementitious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

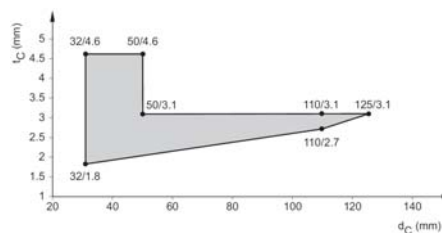
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions

**) The pipe wall thickness approved can be found in this graphic

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$





CONTENTS

Inclined plastic pipe in a rigid wall

ID

IND-RW-PP-0112

FIRESTOP COLLAR ENDLESS

0112_01

REV
00

No scale

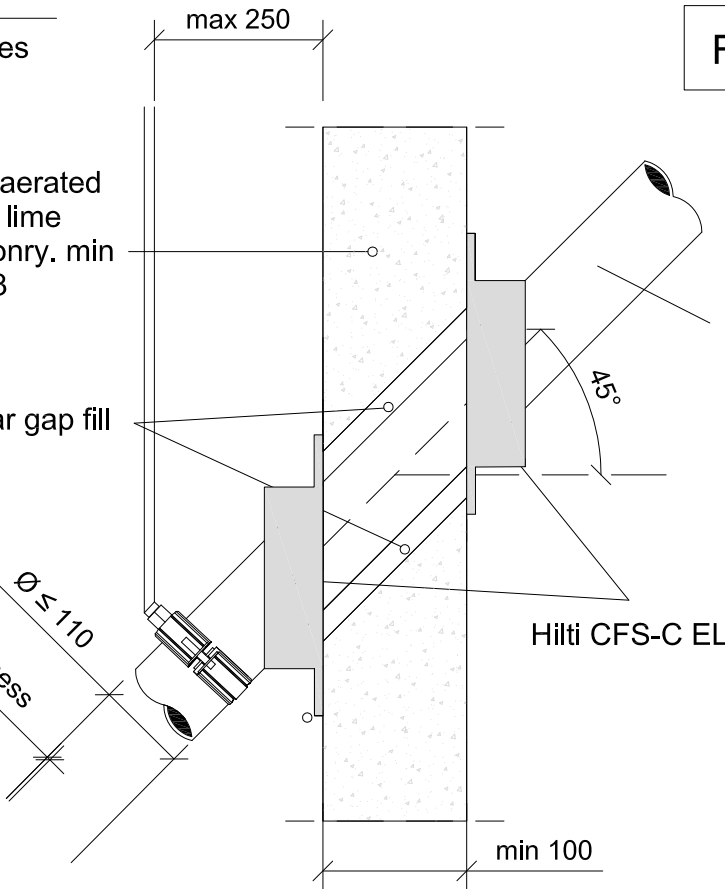
All units are in millimetres

Fire Rating EI 90 U/U

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m³

*) Annular gap fill

***) Pipe wall thickness



PE acc EN ISO 15949, 12201-2 and DIN 8074/8075

Hilti CFS-C EL

*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementitious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

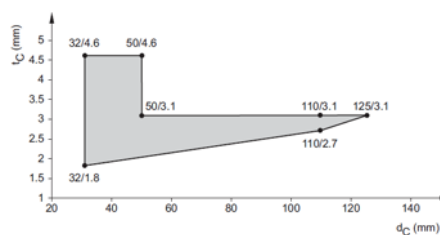
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions

**) The pipe wall thickness approved can be found in this graphic

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$





CONTENTS

Plastic pipe in a rigid wall

ID

IND-RW-PP-0114

FIRESTOP COLLAR ENDLESS

0114_01

REV

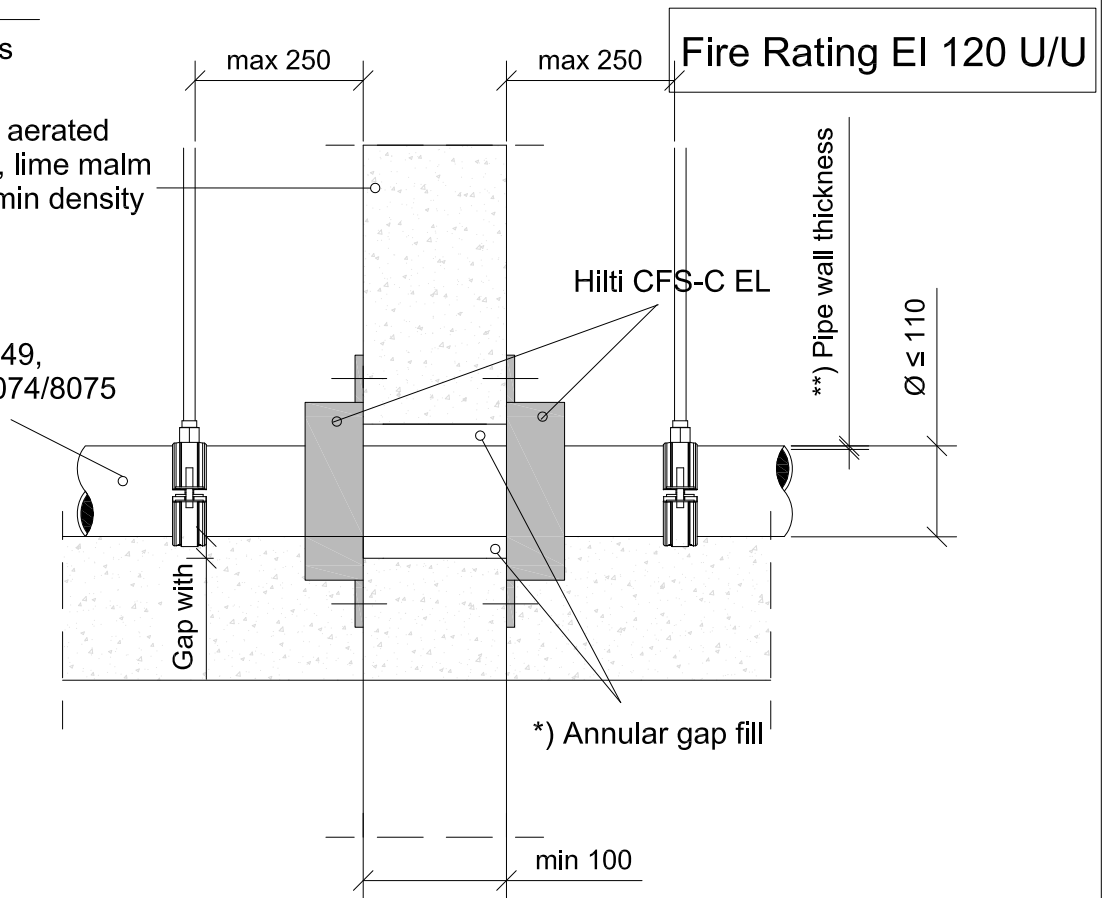
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No scale

All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m³

PE acc EN ISO 15949, 12201-2 and DIN 8074/8075



*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementitious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

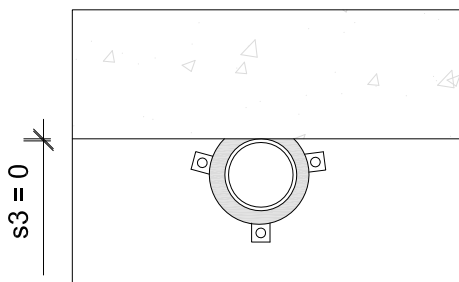
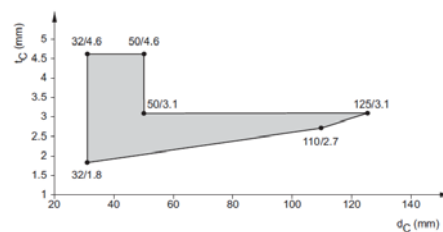
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$

**) The pipe wall thickness approved can be found in this graphic





CONTENTS

Zero distance to other system,
Conlit or CFS-B

ID

IND-RW-PP-0120

FIRESTOP COLLAR ENDLESS

0120_01

REV

00

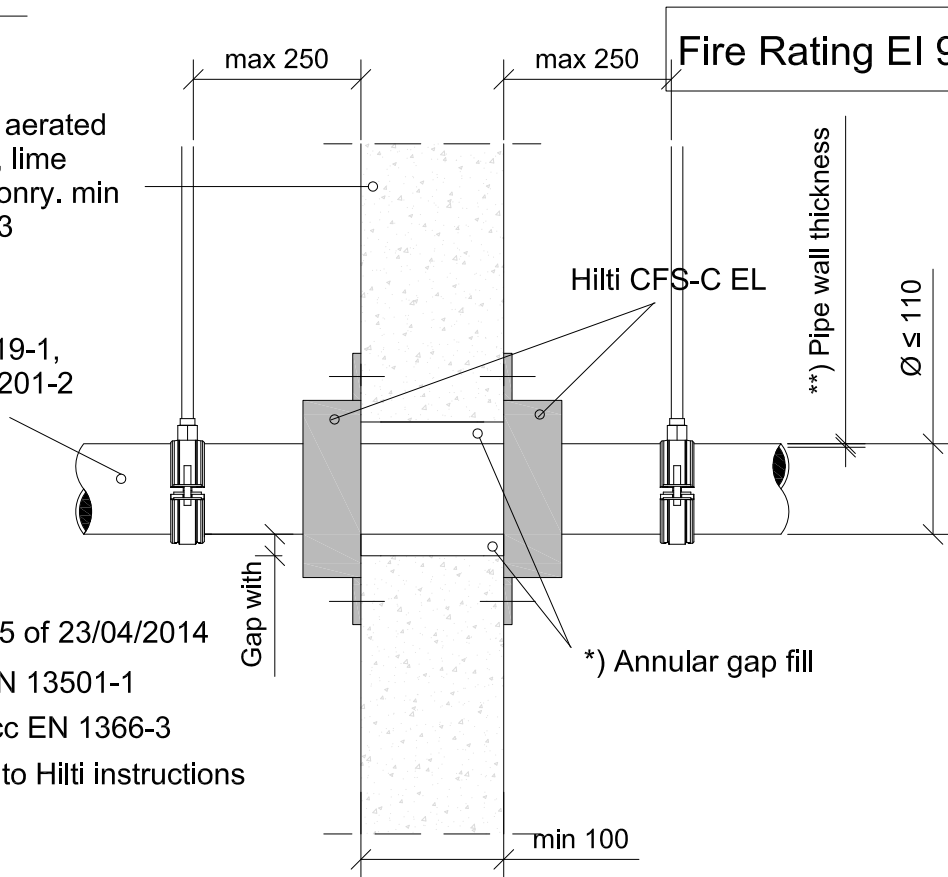
No scale

All units are in milimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m³

PE Pipe acc EN 1519-1, EN 12666-1, EN 12201-2

Fire Rating EI 90 U/U



- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions

* *) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementitious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

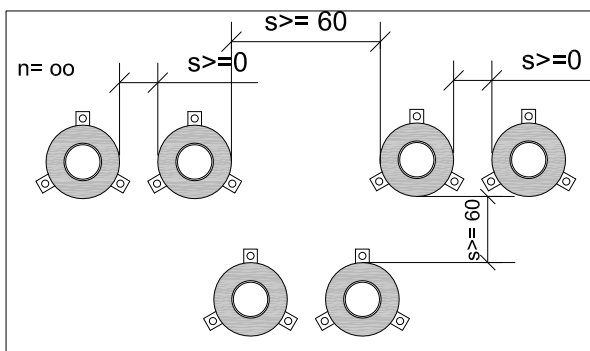
Approved pipes and insulation to be used with Conlit 150, Rockwool 800 and CFS-B

Pipes types	Copper, unalloyed steel, alloyed steel, cast iron, stainless steel
Pipe outside diameter	dm < 42 mm
Pipe thickness	1.2 mm < tm < 14.2 mm
Elastomeric foamed thermal insulation	CS with minimum length (ld>250mm) on both sides of the wall.
Elastomeric foamed thermal insulation thickness	9 mm < De < 35 mm
Incombustible thermal insulation, based on mineral wool (combustibility class A1 or A2 in acc EN 13501	- Conlit 150 inside the wall/floor only with Insulation thickness (td>19 mm) - Rockwool 800, covering the metal pipe outside the wall/floor with Insulation thickness td> 20 mm

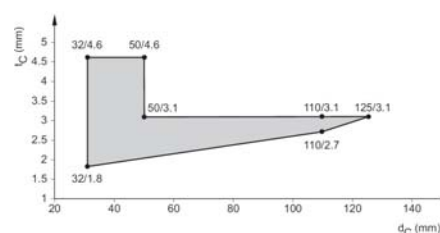
Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$



** *) The pipe wall thickness approved can be found in this graphic





CONTENTS

Zero distance to other system

ID

IND-RW-PP-0121

FIRESTOP COLLAR ENDLESS

0121_01

REV

00

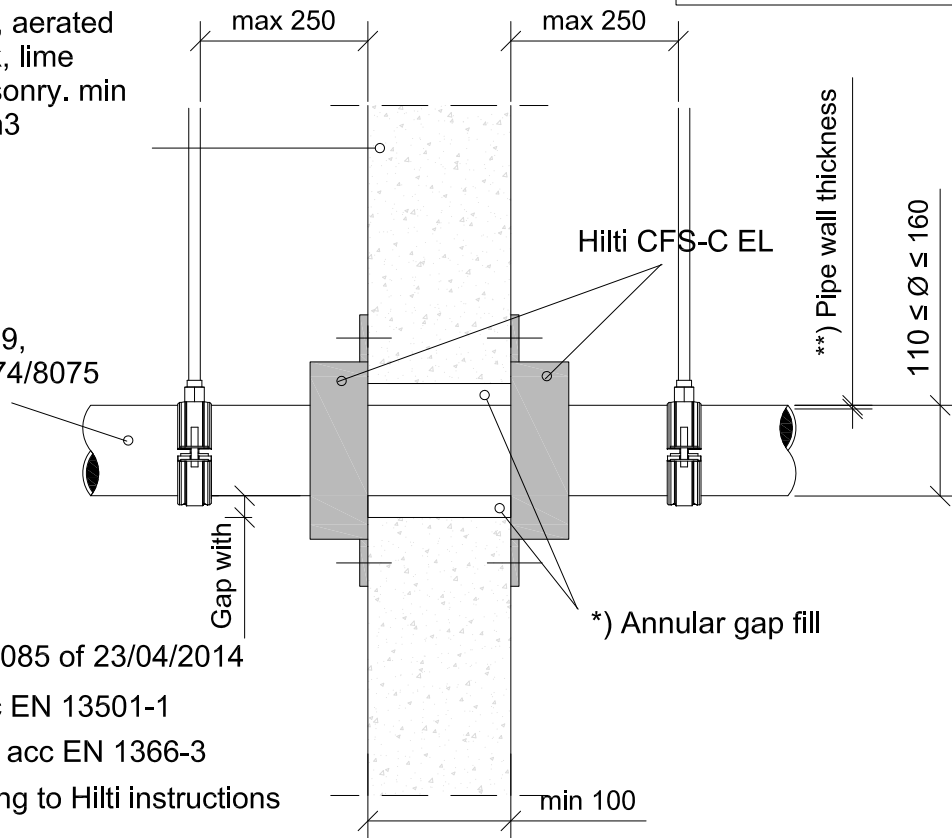
No scale

All units are in millimetres

Fire Rating EI 120 U/U

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m³

PE acc EN ISO 15949, 12201-2 and DIN 8074/8075



- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions

*) Annular gap fill material

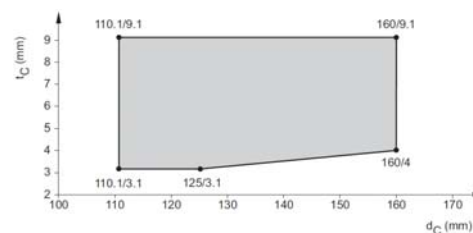
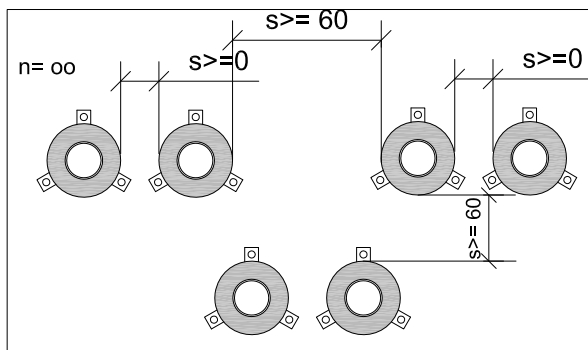
Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$

***) The pipe wall thickness approved can be found in this graphic





CONTENTS

Straight plastic pipe in a rigid wall

ID

IND-RW-PP-0128

FIRESTOP COLLAR ENDLESS

0128_01

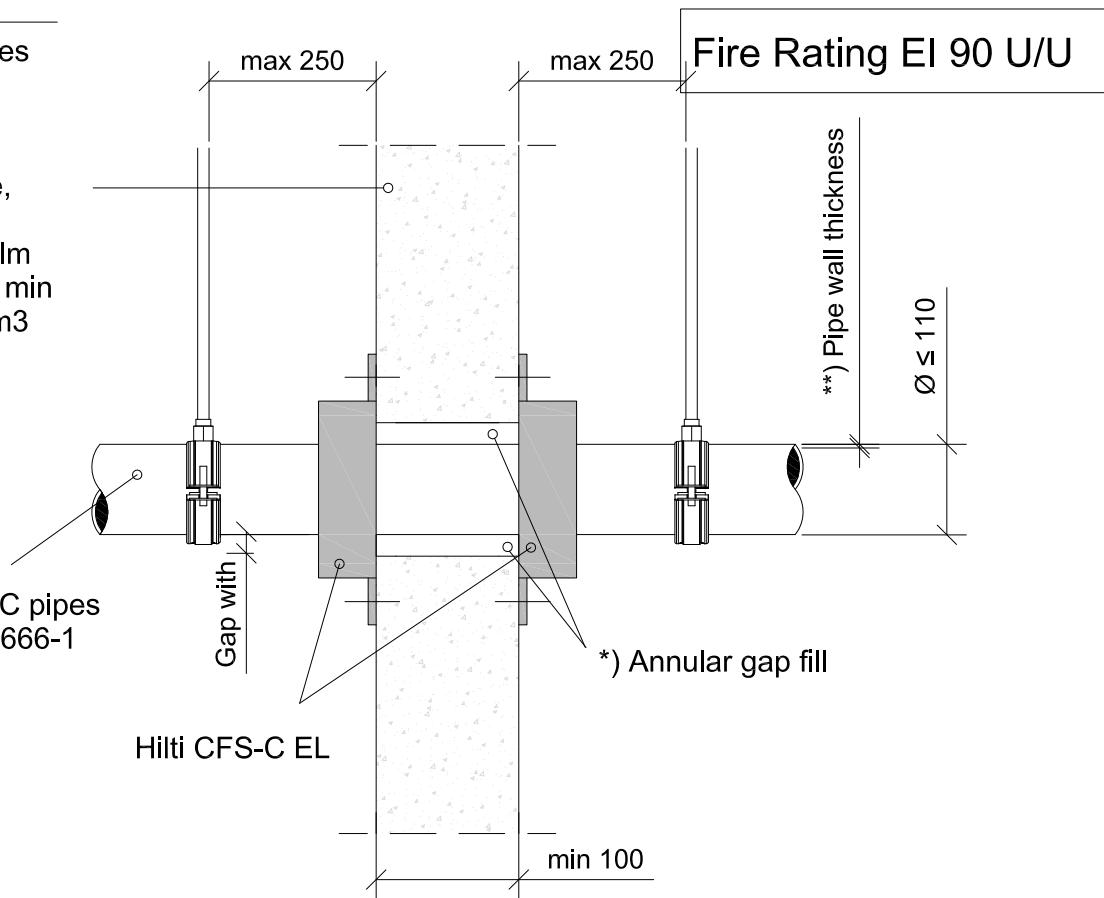
REV
00

No scale

All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m³

ABS and SAN+PVC pipes acc EN 1519-1, 12666-1 and 12201-2



*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

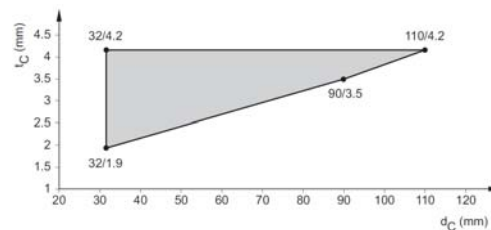
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions

**) The pipe wall thickness approved can be found in this graphic

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$





CONTENTS

Straight plastic pipe in a rigid wall

ID

IND-RW-PP-0129

FIRESTOP COLLAR ENDLESS

0129_01

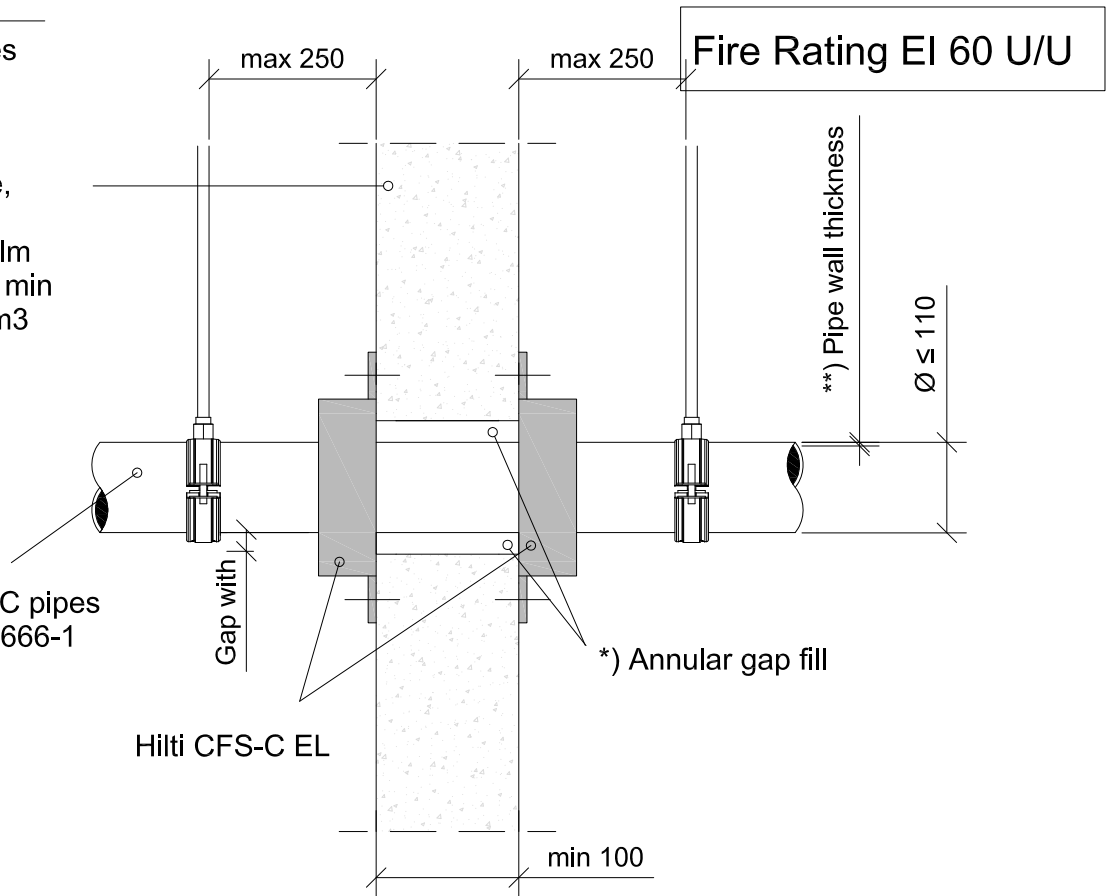
REV
00

No scale

All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m³

ABS and SAN+PVC pipes acc EN 1519-1, 12666-1 and 12201-2



*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

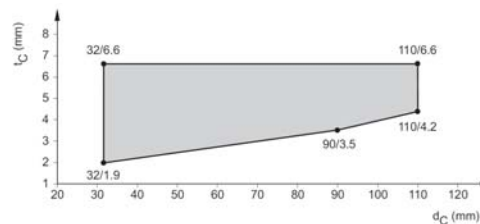
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions

**) The pipe wall thickness approved can be found in this graphic

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$





CONTENTS

Straight plastic pipe in a rigid wall

ID

IND-RW-PP-0130

FIRESTOP COLLAR ENDLESS

0130_01

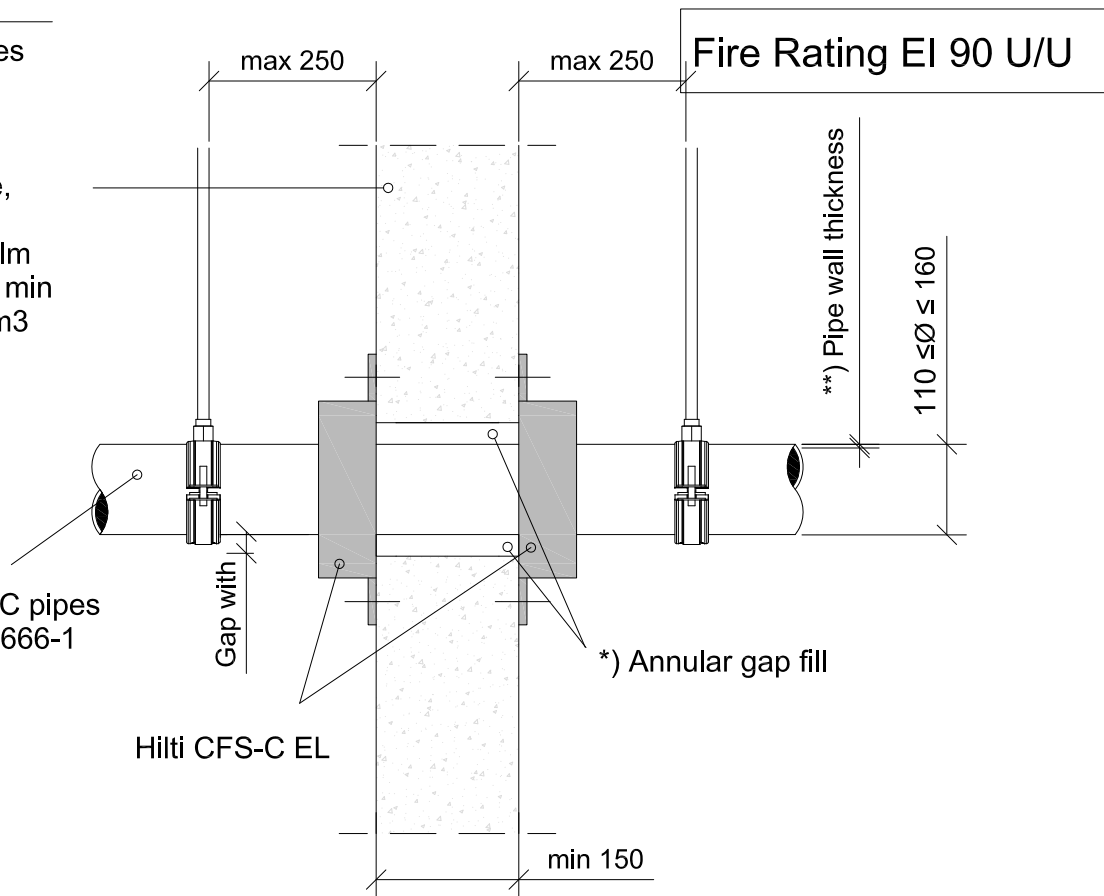
REV
00

No scale

All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m³

ABS and SAN+PVC pipes acc EN 1519-1, 12666-1 and 12201-2



Hilti CFS-C EL

*) Annular gap fill

*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

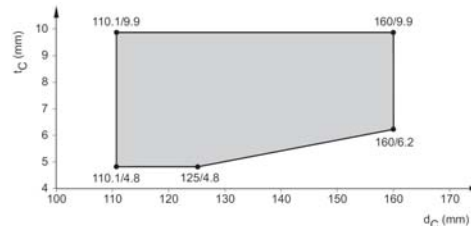
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions

**) The pipe wall thickness approved can be found in this graphic

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$





CONTENTS

Straight plastic pipe in a rigid wall

ID

IND-RW-PP-0131

FIRESTOP COLLAR ENDLESS

0131_01

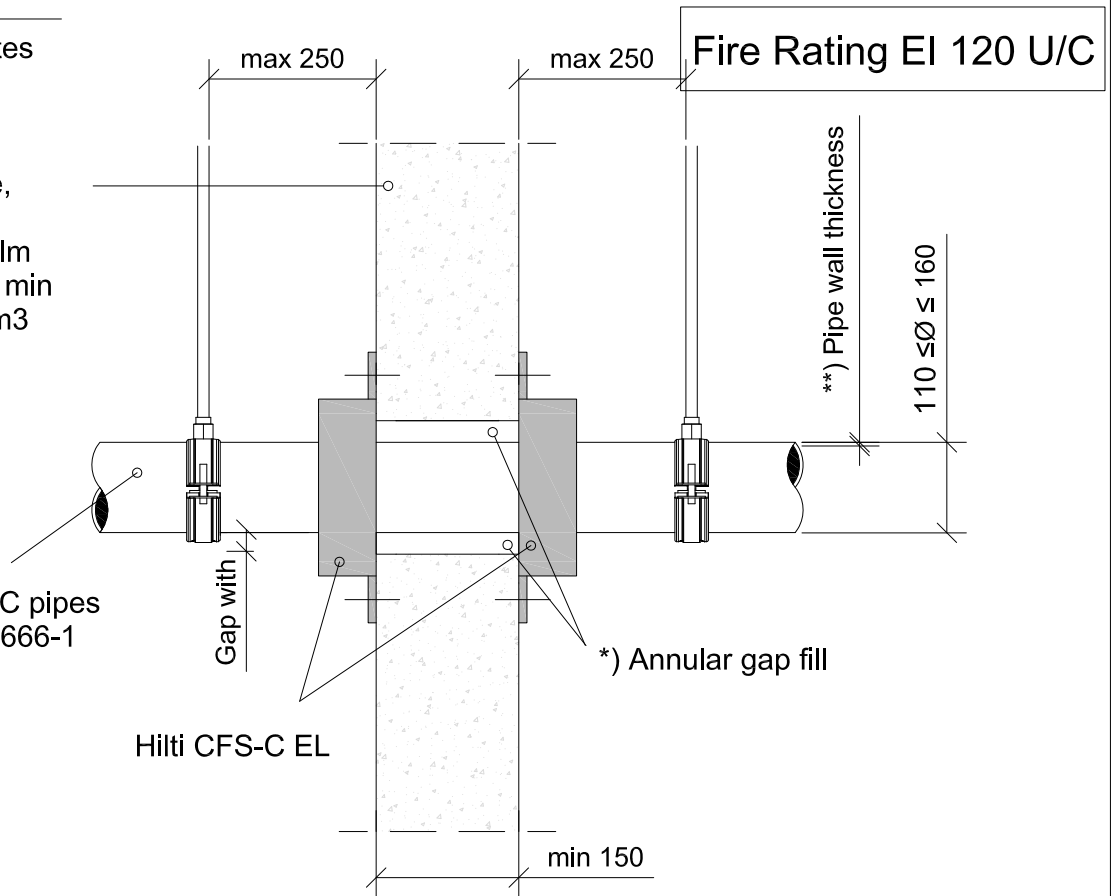
REV
00

No scale

All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m³

ABS and SAN+PVC pipes acc EN 1519-1, 12666-1 and 12201-2



*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

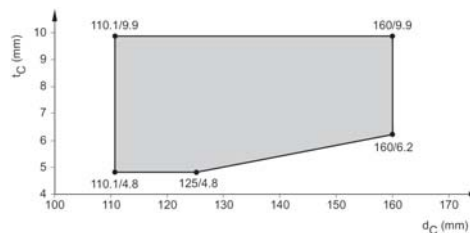
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions

**) The pipe wall thickness approved can be found in this graphic

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$





CONTENTS

Inclined plastic pipe in a rigid wall

ID

IND-RW-PP-0136

FIRESTOP COLLAR ENDLESS

0136_01

REV
00

No scale

All units are in millimetres

Fire Rating EI 90 U/U

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m³

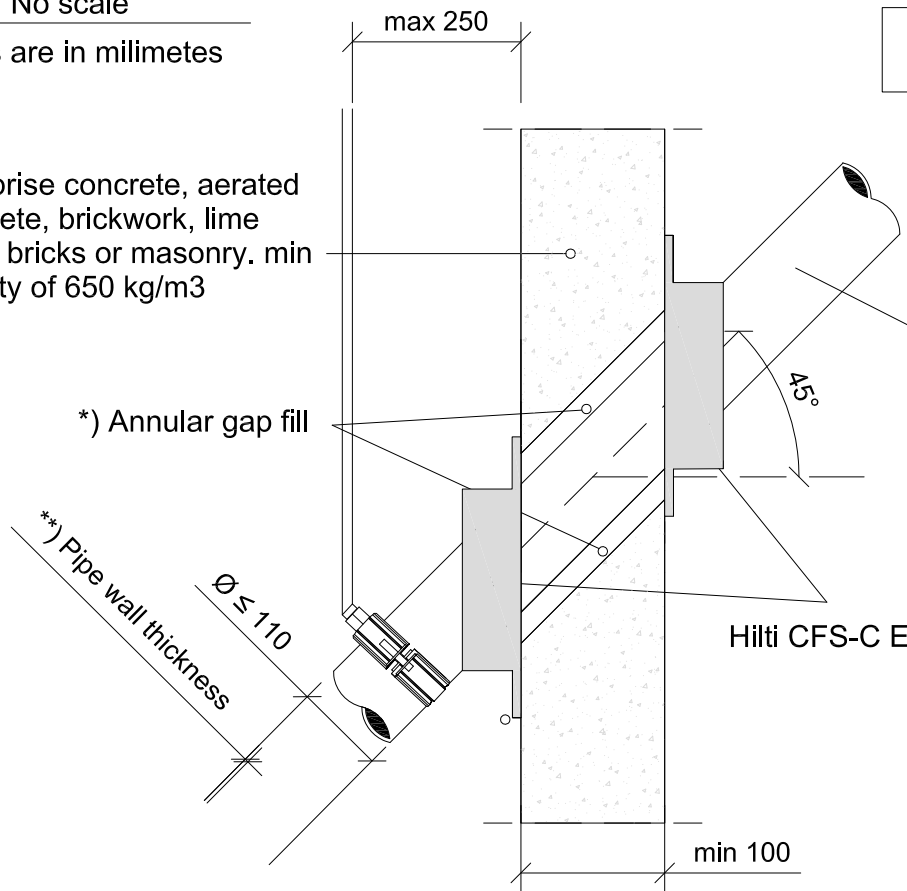
*) Annular gap fill

**) Pipe wall thickness

$\varnothing \leq 110$

Hilti CFS-C EL

ABS and SAN+PVC pipes acc EN 1519-1, 12666-1 and 12201-2



*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementitious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

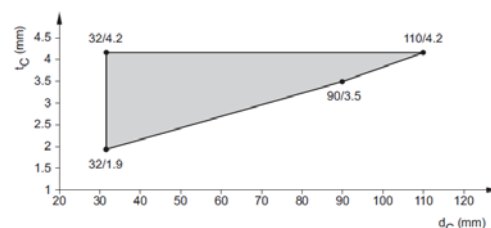
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$

**) The pipe wall thickness approved can be found in this graphic





CONTENTS

Zero distance to other system,
Conlit or CFS-B

ID

IND-RW-PP-0145

FIRESTOP COLLAR ENDLESS

0145_01

REV

00

No scale

All units are in milimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m³

ABS and SAN+PVC pipes acc EN 1519-1, 12666-1 and 12201-2

- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions

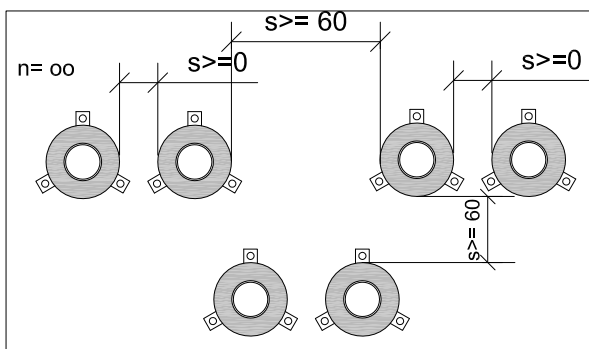
*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementitious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

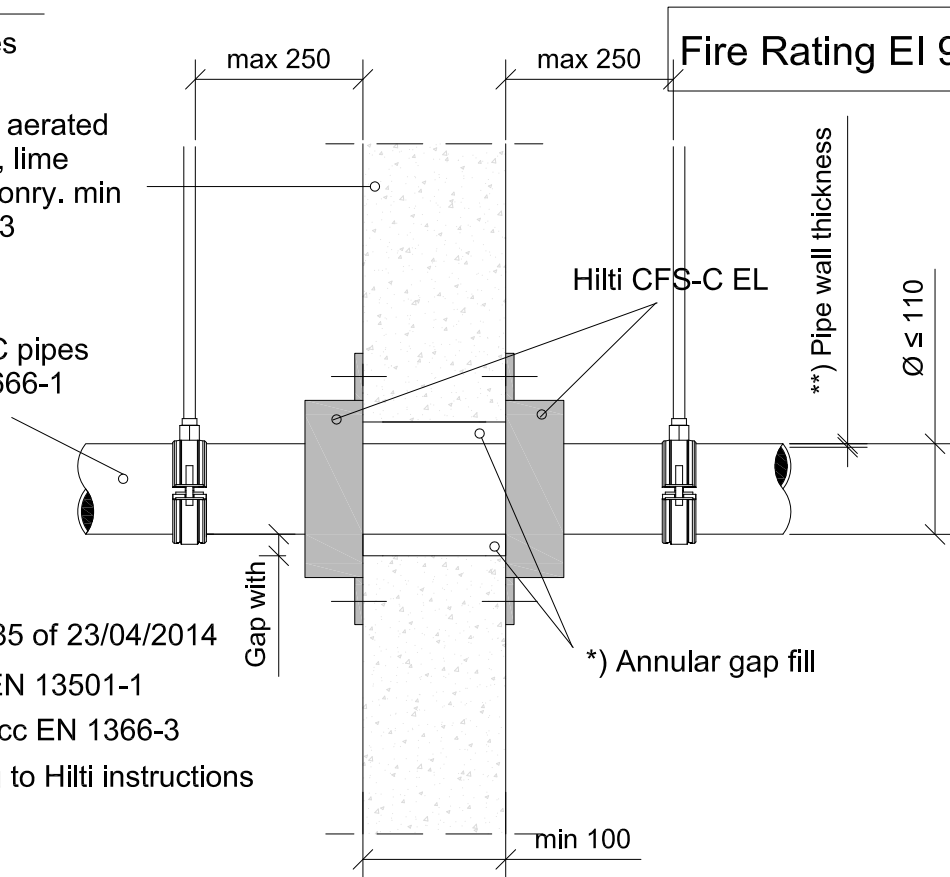
$$R_w = 51 \text{ dB}$$



max 250

max 250

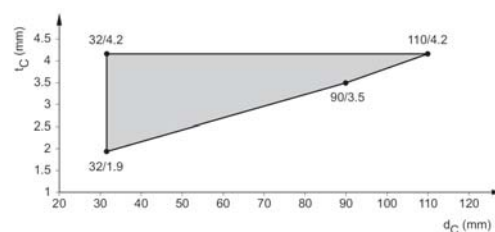
Fire Rating EI 90 U/U



Approved pipes and insulation to be used with Conlit 150, Rockwool 800 and CFS-B

Pipes types	Copper, unalloyed steel, alloyed steel, cast iron, stainless steel
Pipe outside diameter	dm < 42 mm
Pipe thickness	1.2 mm < tm < 14.2 mm
Elastomeric foamed thermal insulation	CS with minimum length (ld>250mm) on both sides of the wall.
Elastomeric foamed thermal insulation thickness	9 mm < De < 35 mm
Incombustible thermal insulation, based on mineral wool (combustibility class A1 or A2 in acc EN 13501	- Conlit 150 inside the wall/floor only with Insulation thickness (td>19 mm) - Rockwool 800, covering the metal pipe outside the wall/floor with Insulation thickness td> 20 mm

** *) The pipe wall thickness approved can be found in this graphic





CONTENTS

Zero distance to other system,
Conlit or CFS-B

ID

IND-RW-PP-0146

FIRESTOP COLLAR ENDLESS

0146_01

REV

00

No scale

All units are in milimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m³

ABS and SAN+PVC pipes acc EN 1519-1, 12666-1 and 12201-2

- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions

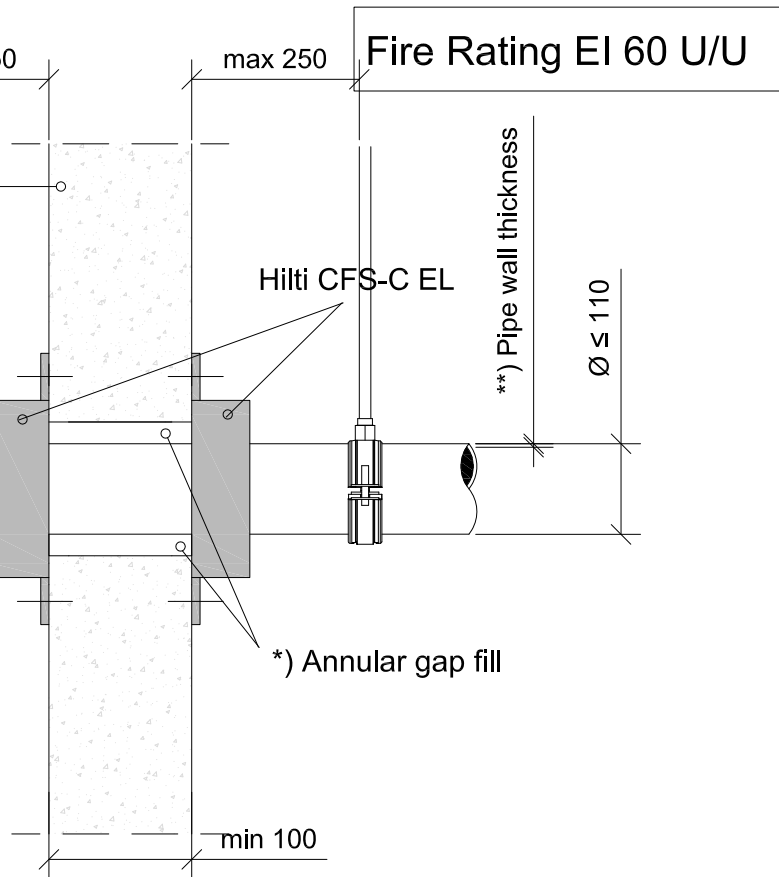
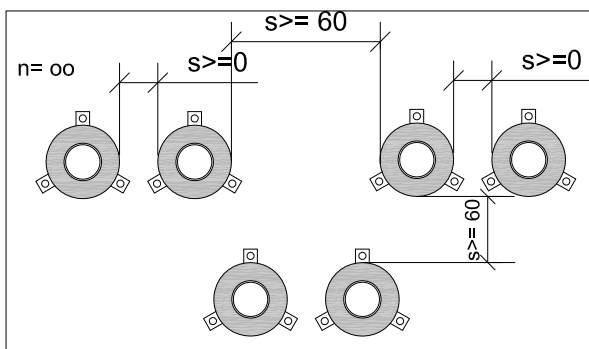
*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementitious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$



Approved pipes and insulation to be used with Conlit 150, Rockwool 800 and CFS-B

Pipes types	Copper, unalloyed steel, alloyed steel, cast iron, stainless steel
Pipe outside diameter	dm < 42 mm
Pipe thickness	1.2 mm < tm < 14.2 mm
Elastomeric foamed thermal insulation	CS with minimum length (ld>250mm) on both sides of the wall.
Elastomeric foamed thermal insulation thickness	9 mm < De < 35 mm
Incombustible thermal insulation, based on mineral wool (combustibility class A1 or A2 in acc EN 13501	- Conlit 150 inside the wall/floor only with Insulation thickness (td>19 mm) - Rockwool 800, covering the metal pipe outside the wall/floor with Insulation thickness td> 20 mm

**) The pipe wall thickness approved can be found in this graphic

