Schémas d'application pour le bouchon coupe-feu CFS-PL

Applications pour câbles unitaires, bottes de câbles et conduits acier et plastique

Câbles unitaires et bottes de câbles

- Application en cloison épaisseur 100 mm (dimensions maximum de l'ouverture ø 52-150) — CAB-FW-BD-0057/58/59
- Application en voile rigide épaisseur 100 mm (dimensions maximum de l'ouverture ø 52-150) — CAB-RW-BD-0061/62/63
- Application en voile rigide épaisseur 150 mm (dimensions maximum de l'ouverture ø 52-150) — CAB-RF-BD-0065/66/67

Conduits acier et plastique

- Application en cloison épaisseur 100 mm (dimensions maximum de l'ouverture ø 52-150) — CAB-FW-CD-0060
- Application en voile rigide épaisseur 100 mm (dimensions maximum de l'ouverture ø 52-150) — CAB-RW-CD-0064
- Application en voile rigide épaisseur 150 mm (dimensions maximum de l'ouverture ø 52-150) — CAB-RF-CD-0068

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

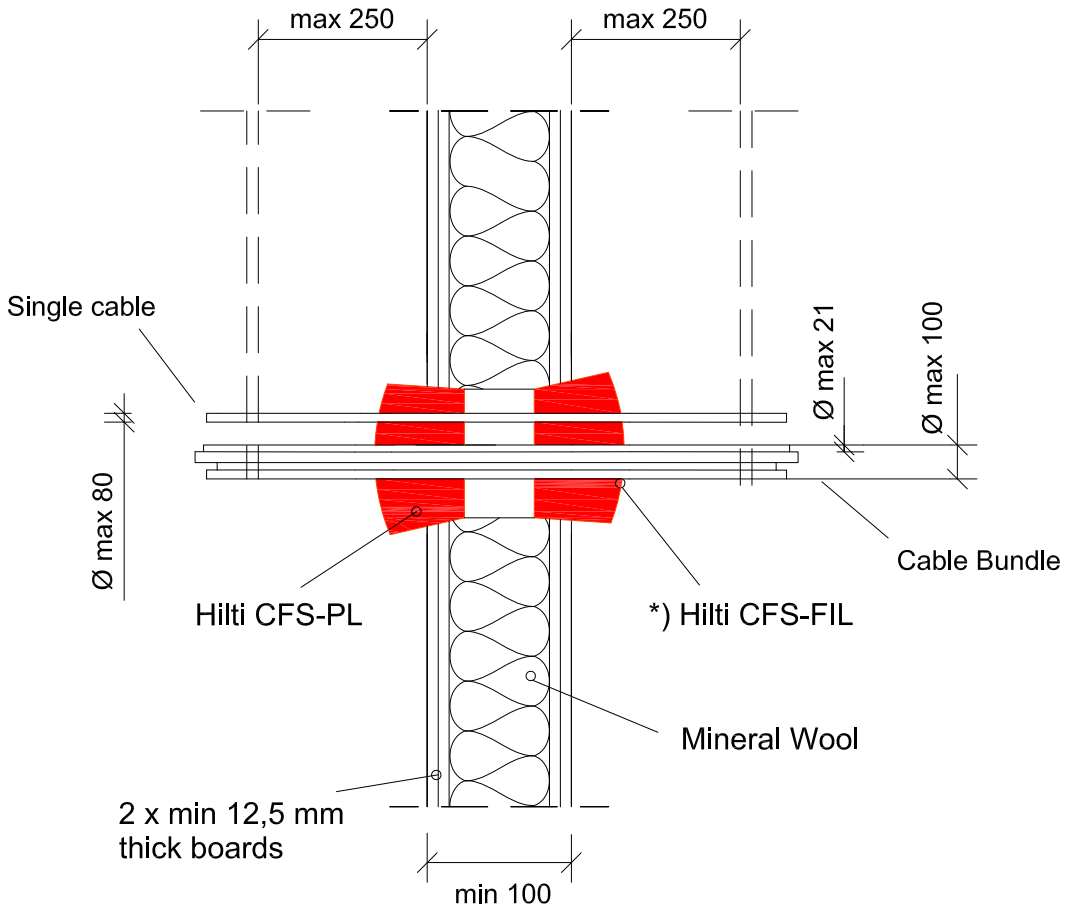
Avril 2015

	CONTENTS	ID	
	Single and cable bundles in a flexible wall	CAB-FW-BD-0057	
	FIRESTOP PLUG	0057_01	REV 00

No scale

All units are in milimetes

Fire Rating EI 90



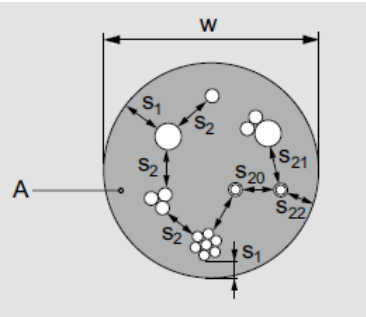
*) Annular gap fill material

Gaps between services and Hilti Firestop Plugs are filled with Hilti Firestop Filler, depth 20 mm

Opening Size: Ø 52-250 mm

- Approval ETA-13/0125 of 15/04/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

Distance Requirements



s1	= 0 (dist. between cables and seal edge)
s2	= 0 (dist. between cables)
s20,21,22	= 0 (conduits Ø < 16 mm, dist between conduits to each other)
s20	= 0 (conduits Ø > 16 mm, dist between conduits to each other)
s21,22	= 20 (conduits Ø >16 mm, dist between conduits and other services or seal edges)

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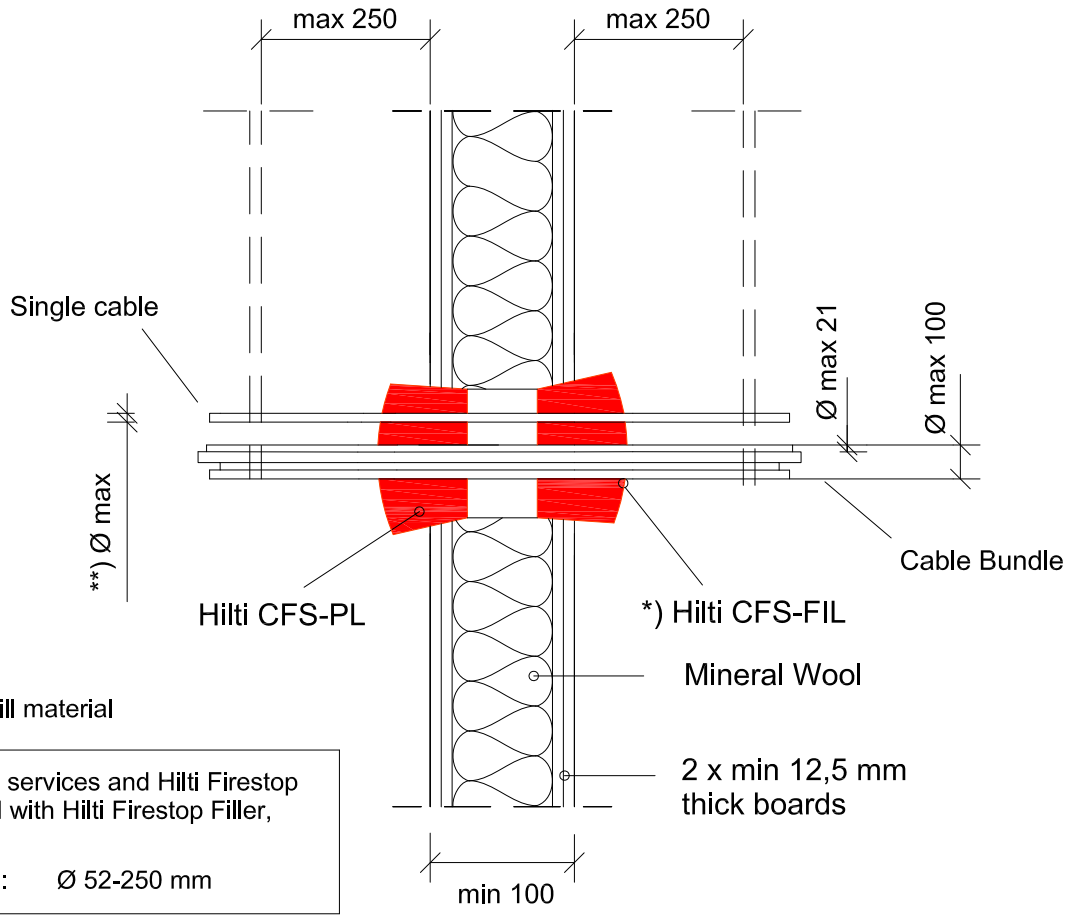
	CONTENTS	ID	
	Single and cable bundles in a flexible wall	CAB-FW-BD-0058	
	FIRESTOP PLUG	0058_01	REV 00

No scale

All units are in milimetes

Fire Rating EI 60



*) Annular gap fill material

Gaps between services and Hilti Firestop Plugs are filled with Hilti Firestop Filler, depth 20 mm

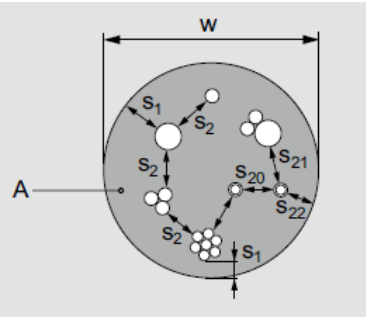
Opening Size: Ø 52-250 mm

- Approval ETA-13/0125 of 15/04/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

**) Ø cables

Ø max single sheated cable	80
Ø max single non- sheated cable	24
Ø max cable bundle	100
Ø max for a cable in a cable bundle	21

Distance Requirements



s1	= 0 (dist. between cables and seal edge)
s2	= 0 (dist. between cables)
s20,21,22	= 0 (conduits Ø < 16 mm, dist between conduits to each other)
s20	= 0 (conduits Ø > 16 mm, dist between conduits to each other)
s21,22	= 20 (conduits Ø >16 mm, dist between conduits and other services or seal edges)

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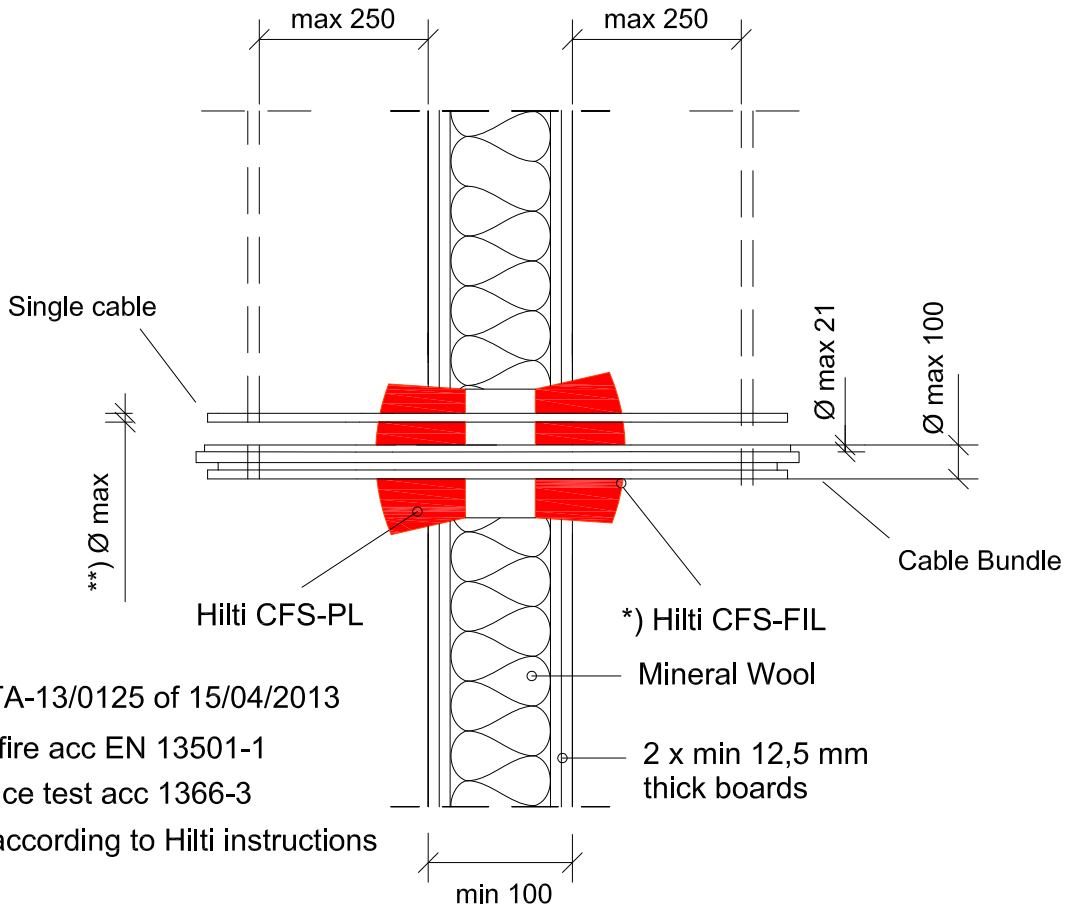
	CONTENTS	ID	
	Single and cable bundles in a flexible wall	CAB-FW-BD-0059	
	FIRESTOP PLUG	0059_01	REV 00

No scale

All units are in milimetes

Fire Rating EI 120



- Approval ETA-13/0125 of 15/04/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

*) Annular gap fill material

Gaps between services and Hilti Firestop Plugs are filled with Hilti Firestop Filler, depth 20 mm

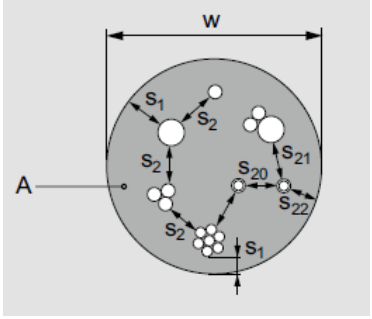
Opening Size: Ø 52-250 mm

**) Ø cables

	Filler	Filler+2putty a)
Ø max single sheated cable	21	50
Ø max single non- sheated cable	---	---
Ø max cable bundle	100	---
Ø max for a cable in a cable bundle	21	---

a) Two layers of CFS-P BA are wrapped around the services or group of services.

Distance Requirements



s1	= 0 (dist. between cables and seal edge)
s2	= 0 (dist. between cables)
s20,21,22	= 0 (conduits Ø < 16 mm, dist between conduits to each other)
s20	= 0 (conduits Ø > 16 mm, dist between conduits to each other)
s21,22	= 20 (conduits Ø >16 mm, dist between conduits and other services or seal edges)

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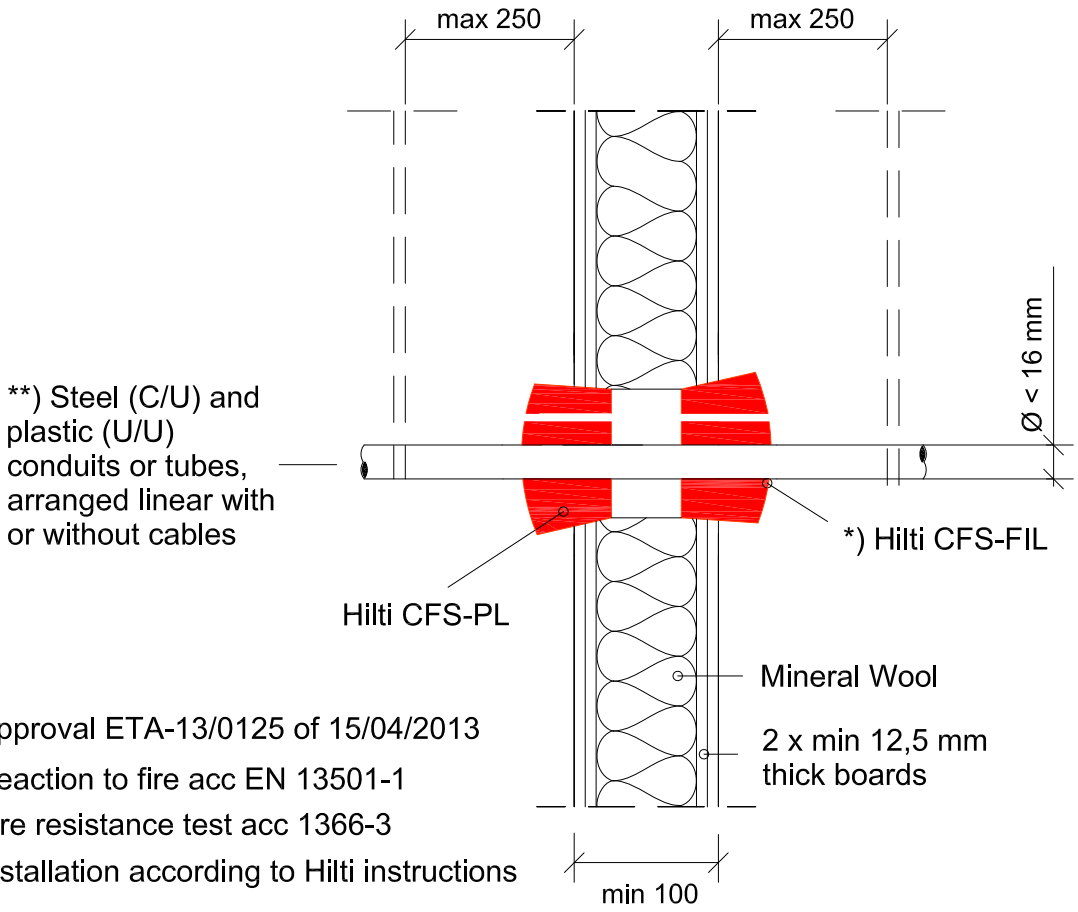
	CONTENTS	ID	
	Steel and plastic conduits in a flexible wall	CAB-FW-CD-0060	
	FIRESTOP PLUG	0060_01	REV 00

No scale

All units are in milimetes

Fire Rating EI 120



- Approval ETA-13/0125 of 15/04/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

**) Ø Small plastic conduits and tubes

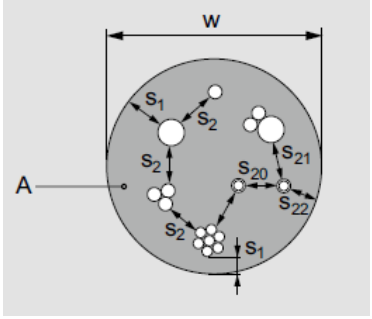
*) Annular gap fill material

Gaps between services and Hilti Firestop Plugs are filled with Hilti Firestop Filler, depth 20 mm

Opening Size: Ø 52-250 mm

	Diameter (mm)	Configuration
Flexible PO	16 ≤ Ø ≤ 40	With or without cable
Flexible PVC	16 ≤ Ø ≤ 32	With or without cable
Rigid PO/PVC	16 ≤ Ø ≤ 40	With or without cable

Distance Requirements



s1	= 0 (dist. between cables and seal edge)
s2	= 0 (dist. between cables)
s20,21,22	= 0 (conduits Ø < 16 mm, dist between conduits to each other)
s20	= 0 (conduits Ø > 16 mm, dist between conduits to each other)
s21,22	= 20 (conduits Ø >16 mm, dist between conduits and other services or seal edges)

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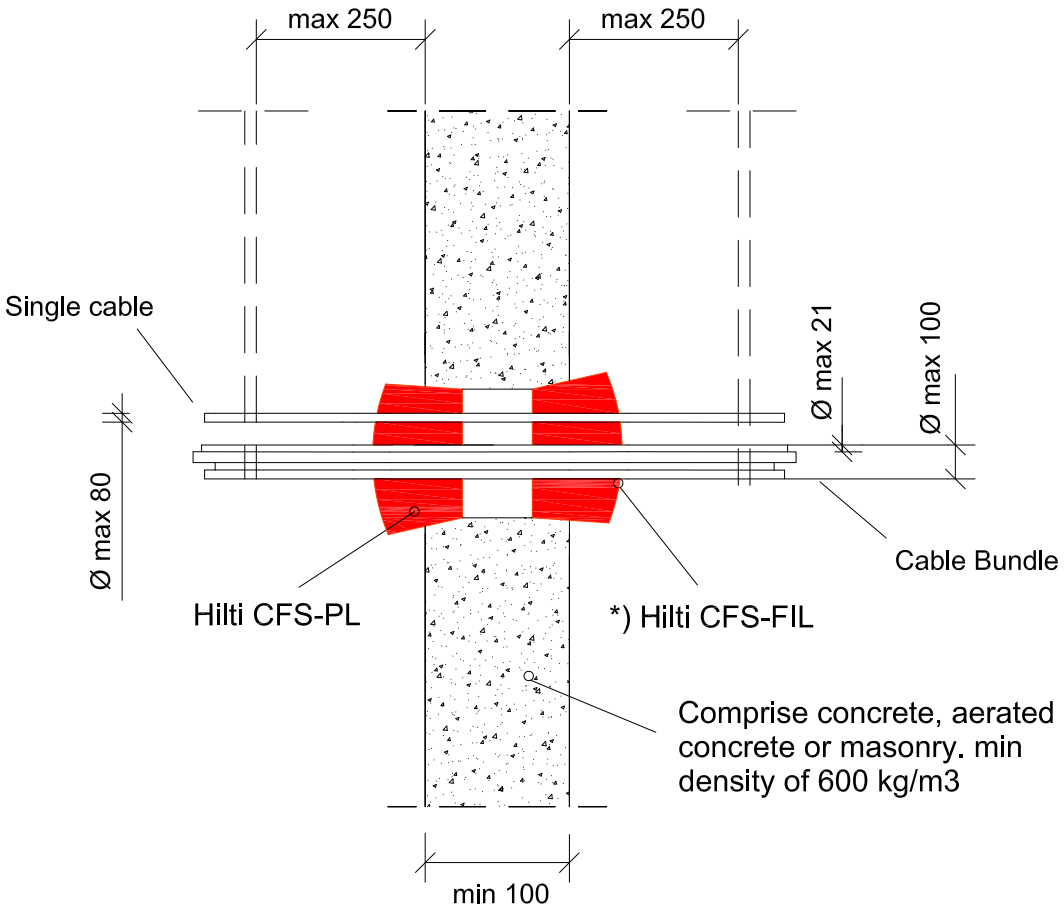
	CONTENTS	ID	
	Single and cable bundles in a rigid wall	CAB-RW-BD-0061	
	FIRESTOP PLUG	0061_01	REV 00

No scale

All units are in milimetes

Fire Rating EI 90



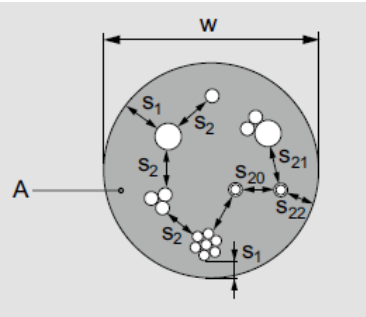
*) Annular gap fill material

Gaps between services and Hilti Firestop Plugs are filled with Hilti Firestop Filler, depth 20 mm

Opening Size: Ø 52-250 mm

- Approval ETA-13/0125 of 15/04/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

Distance Requirements



s1	= 0 (dist. between cables and seal edge)
s2	= 0 (dist. between cables)
s20,21,22	= 0 (conduits Ø < 16 mm, dist between conduits to each other)
s20	= 0 (conduits Ø > 16 mm, dist between conduits to each other)
s21,22	= 20 (conduits Ø >16 mm, dist between conduits and other services or seal edges)

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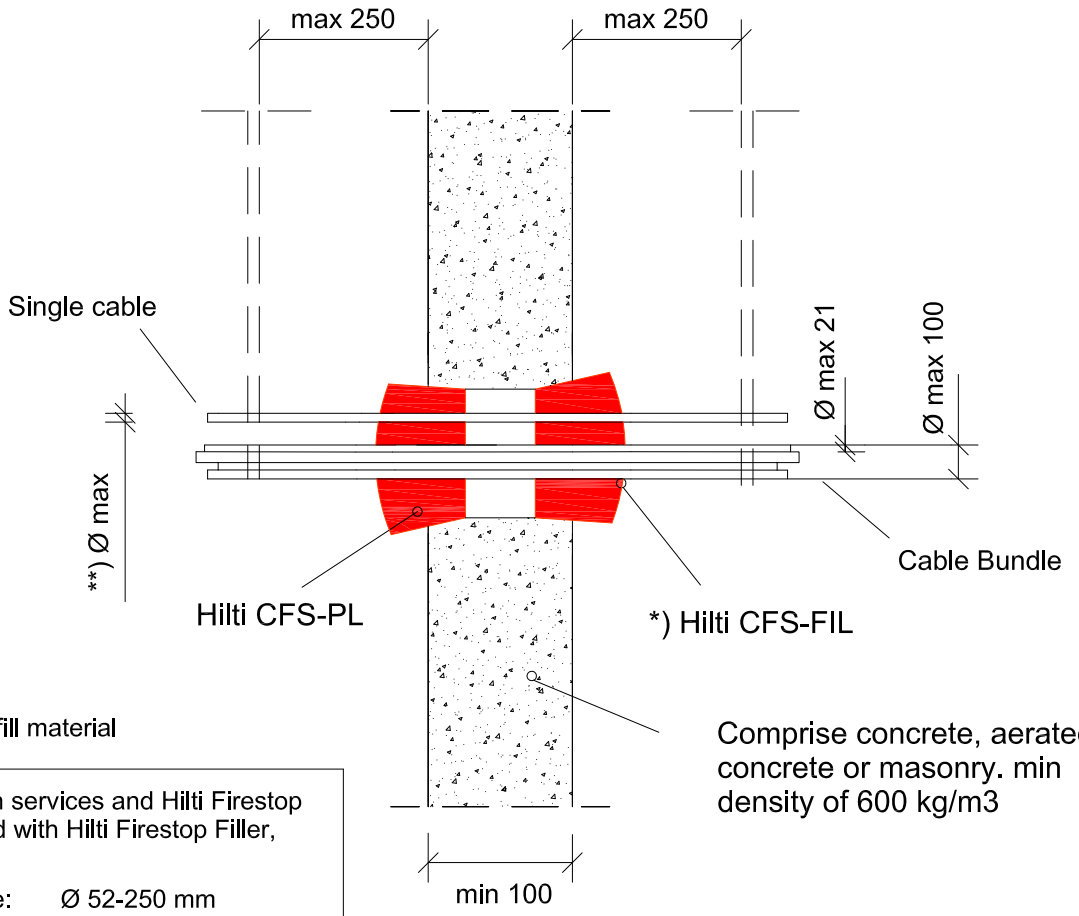
	CONTENTS	ID	
HILTI	Single and cable bundles in a rigid wall	CAB-RW-BD-0062	
	FIRESTOP PLUG	0062_01	REV 00

No scale

All units are in milimetes

Fire Rating EI 60



*) Annular gap fill material

Gaps between services and Hilti Firestop Plugs are filled with Hilti Firestop Filler, depth 20 mm

Opening Size: Ø 52-250 mm

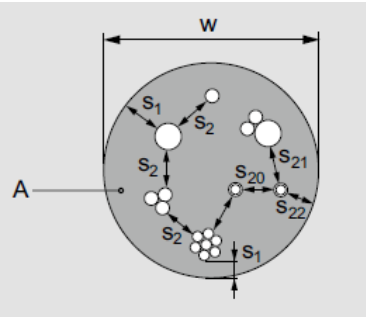
Comprise concrete, aerated concrete or masonry. min density of 600 kg/m3

- Approval ETA-13/0125 of 15/04/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

**) Ø cables

Ø max single sheated cable	80
Ø max single non- sheated cable	24
Ø max cable bundle	100
Ø max for a cable in a cable bundle	21

Distance Requirements



s1	= 0 (dist. between cables and seal edge)
s2	= 0 (dist. between cables)
s20,21,22	= 0 (conduits Ø < 16 mm, dist between conduits to each other)
s20	= 0 (conduits Ø > 16 mm, dist between conduits to each other)
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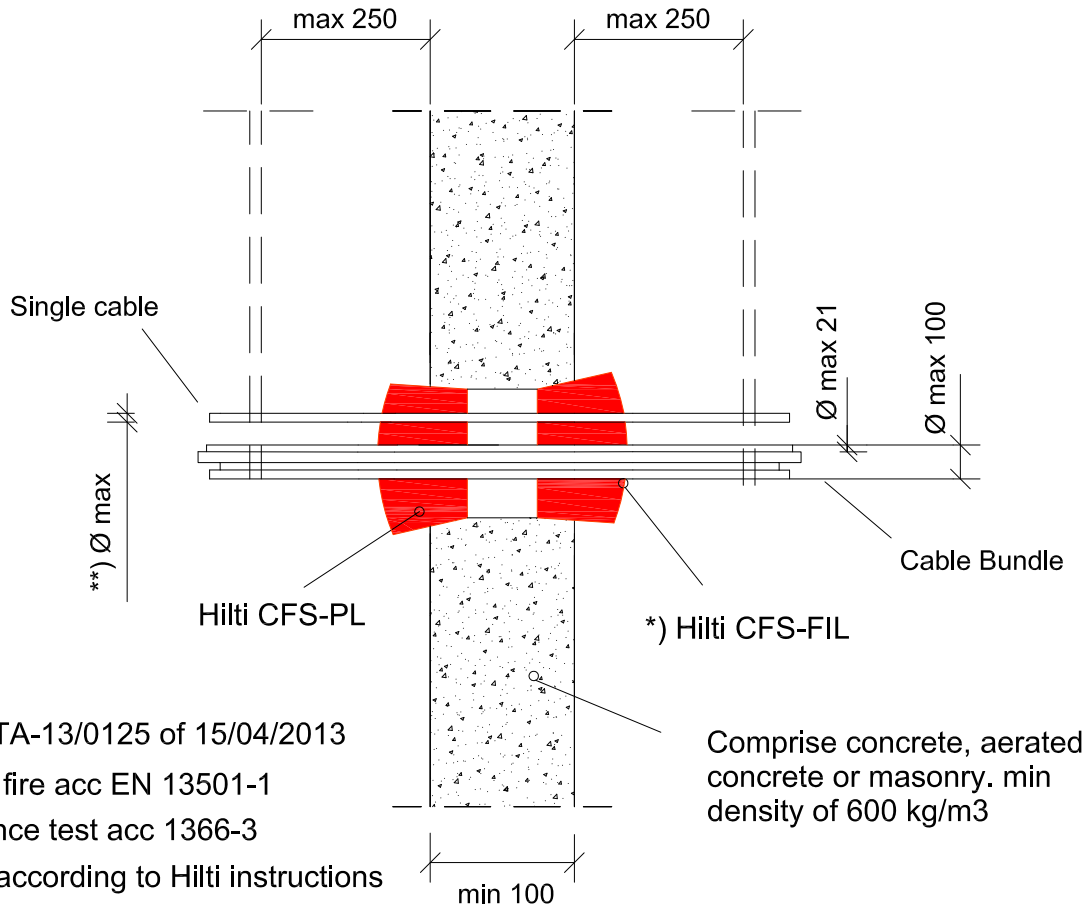
	CONTENTS	ID	
	Single and cable bundles in a rigid wall	CAB-RW-BD-0063	
	FIRESTOP PLUG	0063_01	REV 00

No scale

All units are in milimetes

Fire Rating EI 120



- Approval ETA-13/0125 of 15/04/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

*) Annular gap fill material

Gaps between services and Hilti Firestop Plugs are filled with Hilti Firestop Filler, depth 20 mm

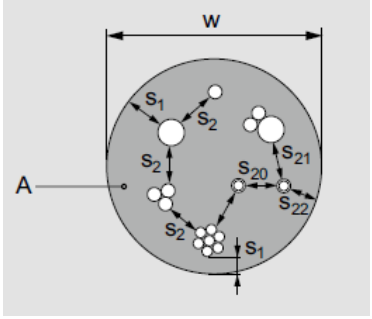
Opening Size: Ø 52-250 mm

**) Ø cables

	Filler	Filler+2putty a)
Ø max single sheated cable	21	50
Ø max single non- sheated cable	---	---
Ø max cable bundle	100	---
Ø max for a cable in a cable bundle	21	---

a) Two layers of CFS-P BA are wrapped around the services or group of services.

Distance Requirements



s1	= 0 (dist. between cables and seal edge)
s2	= 0 (dist. between cables)
s20,21,22	= 0 (conduits Ø < 16 mm, dist between conduits to each other)
s20	= 0 (conduits Ø > 16 mm, dist between conduits to each other)
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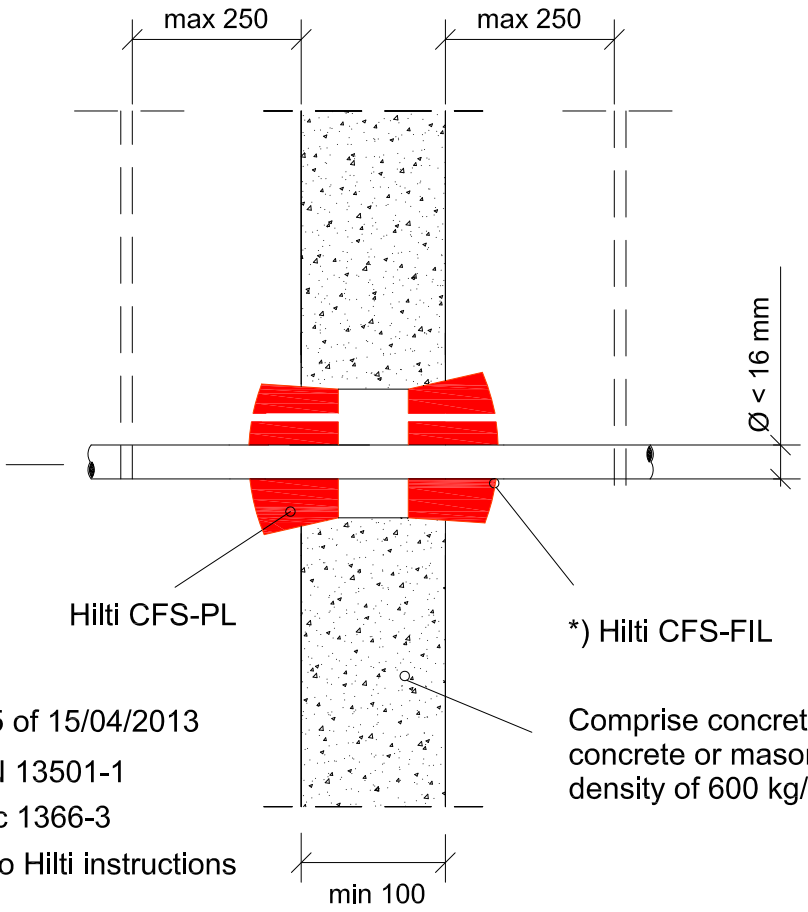
	CONTENTS	ID	
	Steel and plastic conduits in a rigid wall	CAB-RW-CD-0064	
	FIRESTOP PLUG	0064_01	REV 00

No scale

All units are in milimetes

Fire Rating EI 120



**) Steel (C/U) and plastic (U/U) conduits or tubes, arranged linear with or without cables

- Approval ETA-13/0125 of 15/04/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

Comprise concrete, aerated concrete or masonry. min density of 600 kg/m3

**) Ø Small plastic conduits and tubes

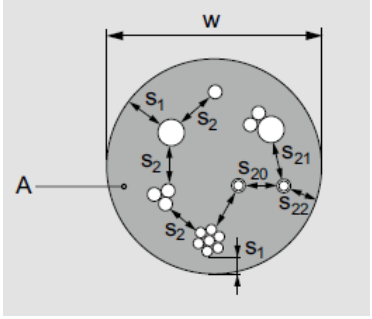
	Diameter (mm)	Configuration
Flexible PO	16 ≤ Ø ≤ 40	With or without cable
Flexible PVC	16 ≤ Ø ≤ 32	With or without cable
Rigid PO/PVC	16 ≤ Ø ≤ 40	With or without cable

*) Annular gap fill material

Gaps between services and Hilti Firestop Plugs are filled with Hilti Firestop Filler, depth 20 mm

Opening Size: Ø 52-250 mm

Distance Requirements



s1	= 0 (dist. between cables and seal edge)
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s20,21,22	= 0 (conduits Ø < 16 mm, dist between conduits to each other)
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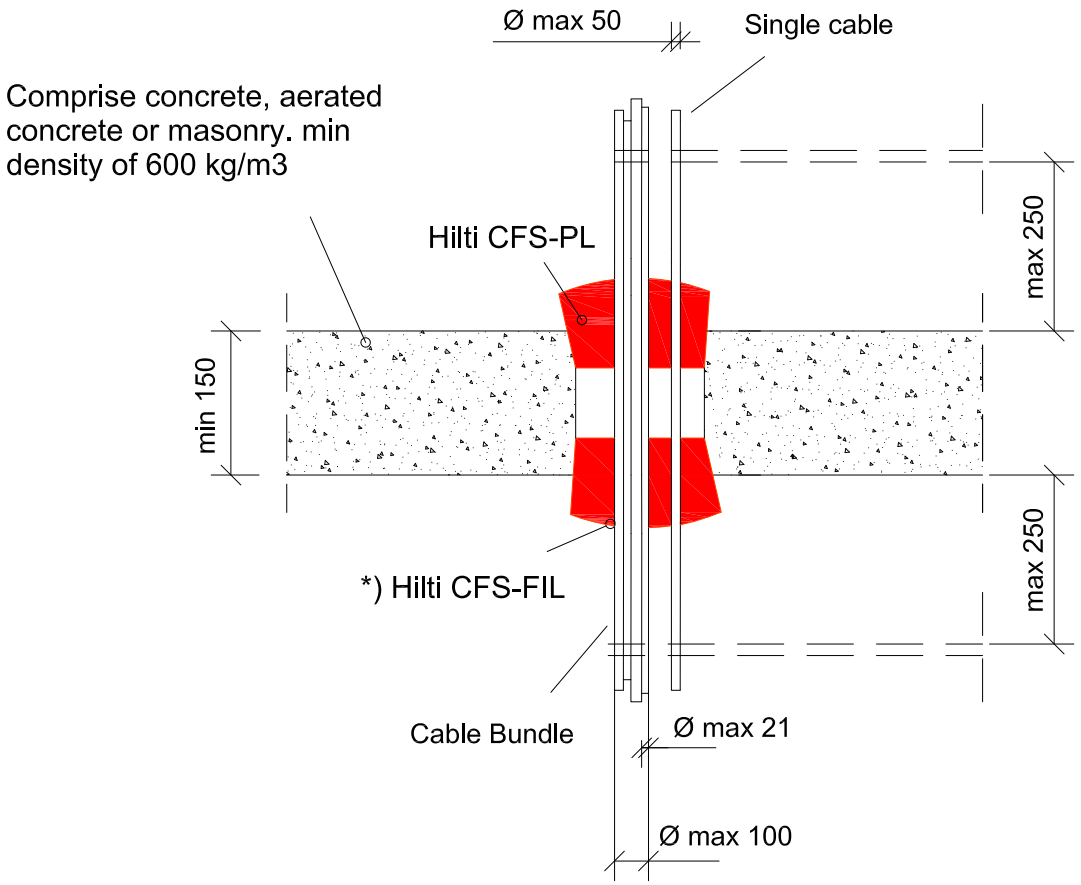
	CONTENTS	ID	
	Single and cable bundles in a rigid floor	CAB-RF-BD-0065	
	FIRESTOP PLUG	0065_01	REV 00

No scale

All units are in milimetes

Fire Rating EI 120



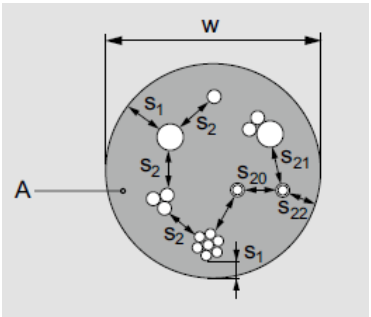
*) Annular gap fill material

Gaps between services and Hilti Firestop Plugs are filled with Hilti Firestop Filler, depth 20 mm

Opening Size: Ø 52-250 mm

- Approval ETA-13/0125 of 15/04/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

Distance Requirements



s1	= 0 (dist. between cables and seal edge)
s2	= 0 (dist. between cables)
s20,21,22	= 0 (conduits Ø < 16 mm, dist between conduits to each other)
s20	= 0 (conduits Ø > 16 mm, dist between conduits to each other)
s21,22	= 20 (conduits Ø >16 mm, dist between conduits and other services or seal edges)

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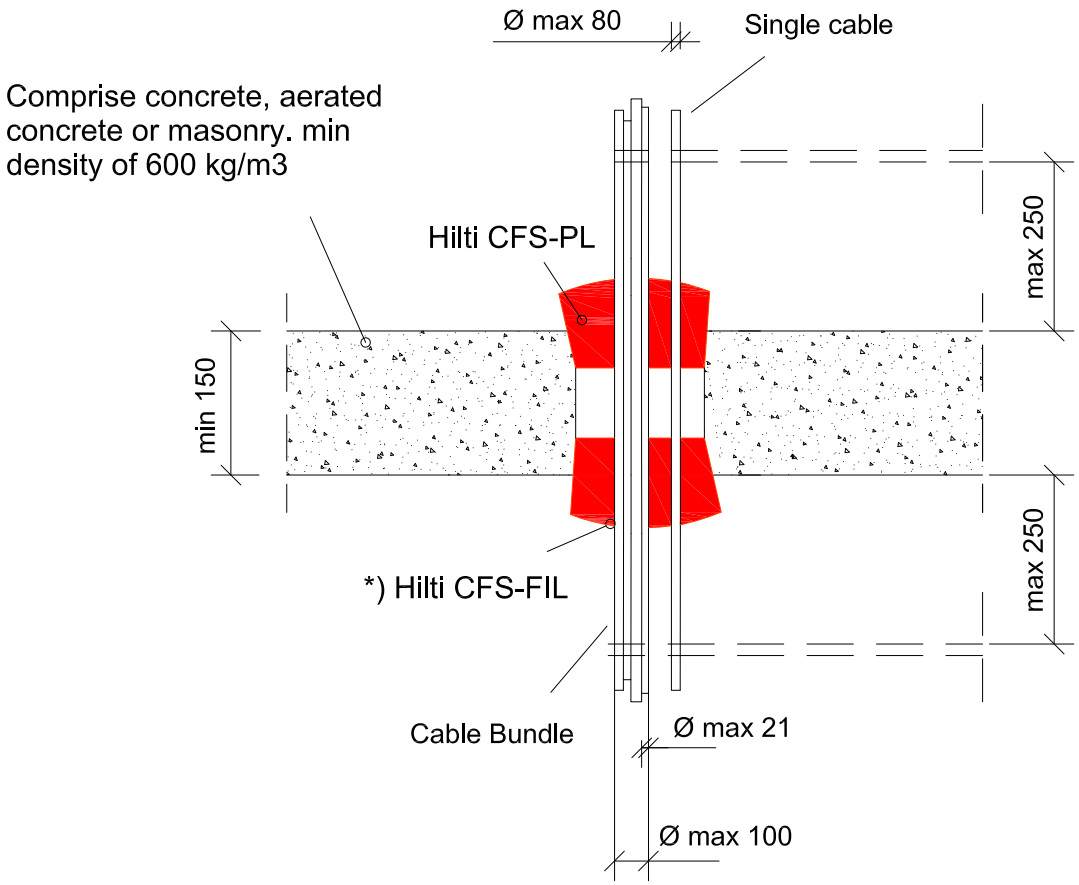
	CONTENTS	ID	
	Single and cable bundles in a rigid floor	CAB-RF-BD-0066	
	FIRESTOP PLUG	0066_01	REV 00

No scale

All units are in milimetes

Fire Rating EI 90



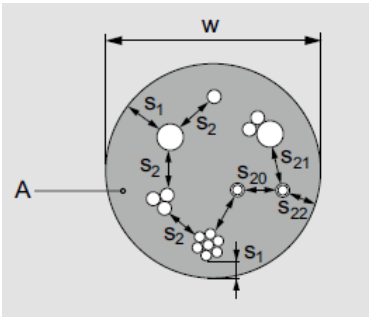
*) Annular gap fill material

Gaps between services and Hilti Firestop Plugs are filled with Hilti Firestop Filler, depth 20 mm

Opening Size: Ø 52-250 mm

- Approval ETA-13/0125 of 15/04/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

Distance Requirements



s1	= 0 (dist. between cables and seal edge)
s2	= 0 (dist. between cables)
s20,21,22	= 0 (conduits Ø < 16 mm, dist between conduits to each other)
s20	= 0 (conduits Ø > 16 mm, dist between conduits to each other)
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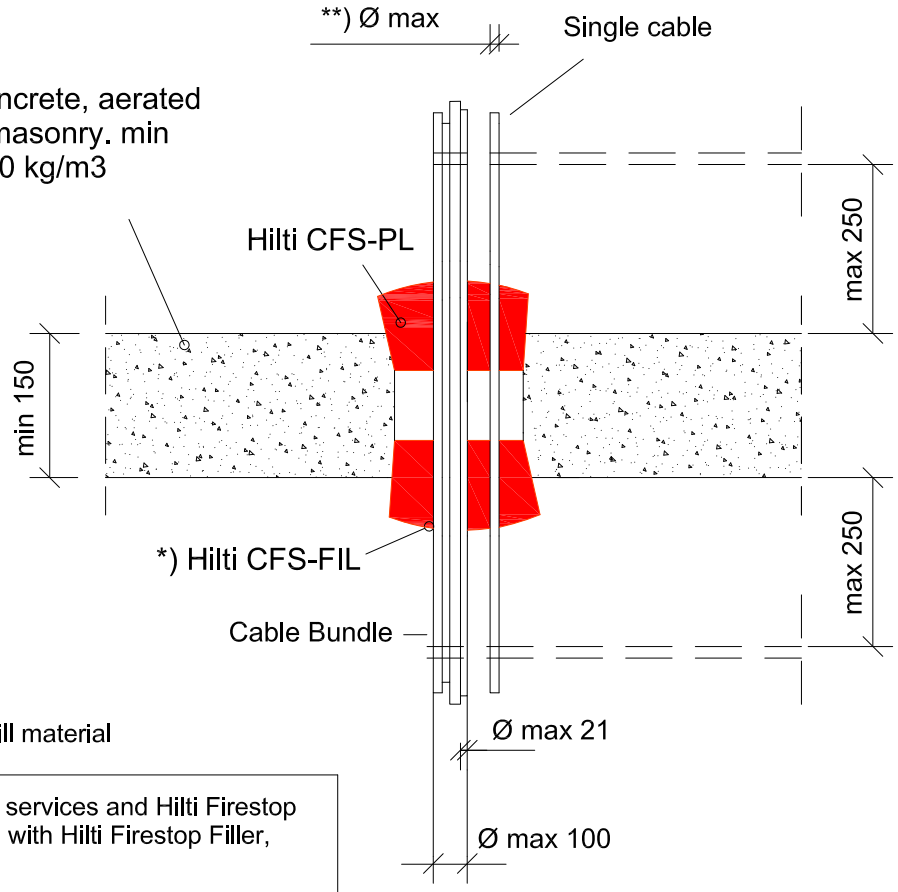
	CONTENTS	ID	
	Single and cable bundles in a rigid floor	CAB-RF-BD-0067	
	FIRESTOP PLUG	0067_01	REV 00

No scale

All units are in milimetes

Fire Rating EI 30



*) Annular gap fill material

Gaps between services and Hilti Firestop Plugs are filled with Hilti Firestop Filler, depth 20 mm

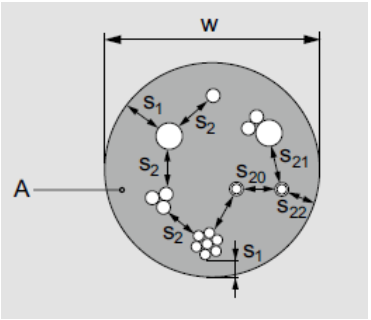
Opening Size: Ø 52-250 mm

- Approval ETA-13/0125 of 15/04/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

**) Ø cables

Ø max single sheated cable	80
Ø max single non- sheated cable	24
Ø max cable bundle	100
Ø max for a cable in a cable bundle	21

Distance Requirements



s1	= 0 (dist. between cables and seal edge)
s2	= 0 (dist. between cables)
s20,21,22	= 0 (conduits Ø < 16 mm, dist between conduits to each other)
s20	= 0 (conduits Ø > 16 mm, dist between conduits to each other)
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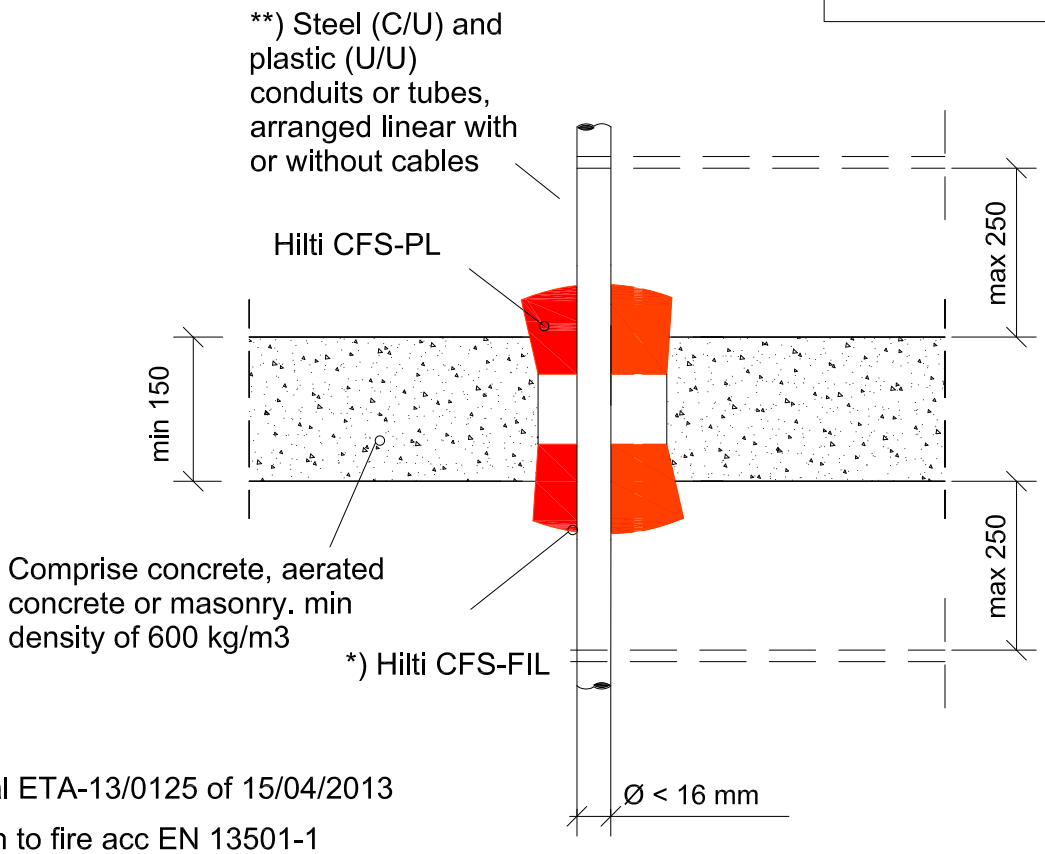
	CONTENTS	ID	
HILTI	Steel and plastic conduits in a rigid floor	CAB-RF-CD-0068	
	FIRESTOP PLUG	0068_01	REV 00

No scale

All units are in milimetes

Fire Rating EI 120



- Approval ETA-13/0125 of 15/04/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

*) Annular gap fill material

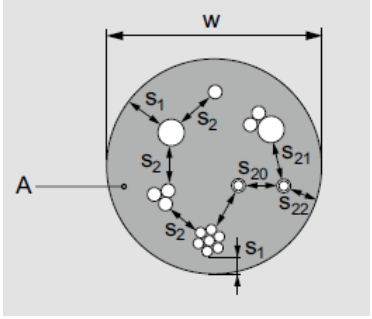
Gaps between services and Hilti Firestop Plugs are filled with Hilti Firestop Filler, depth 20 mm

Opening Size: Ø 52-250 mm

**) Ø Small plastic conduits and tubes

	Diameter (mm)	Configuration
Flexible PO	16 ≤ Ø ≤ 40	With or without cable
Flexible PVC	16 ≤ Ø ≤ 32	With or without cable
Rigid PO/PVC	16 ≤ Ø ≤ 40	With or without cable

Distance Requirements



s1	= 0 (dist. between cables and seal edge)
s2	= 0 (dist. between cables)
s20,21,22	= 0 (conduits Ø < 16 mm, dist between conduits to each other)
s20	= 0 (conduits Ø > 16 mm, dist between conduits to each other)
s21,22	= 20 (conduits Ø >16 mm, dist between conduits and other services or seal edges)

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