

BEP – Building Entry Point



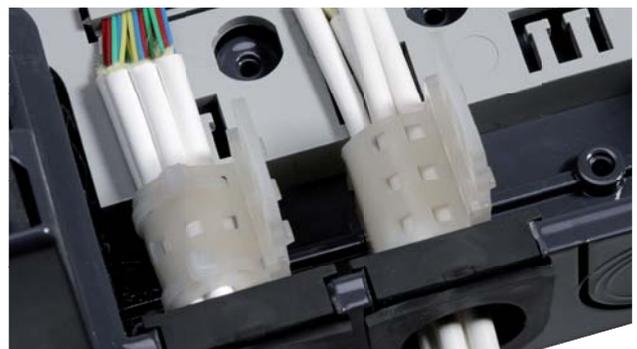
OptiBox32 – for multi dwelling units

OptiBox 32 is an installer friendly fiber optic distribution and termination enclosure. The OptiBox 32 is particularly designed for its main use in Fiber to the Home / Fiber in the Home networks predominantly installed in multi dwelling units. It is used for splicing, patching and to perform with passive optical components. The OptiBox 32 can be configured modular with two kinds of splice cassettes supporting Multi Circuit (MCM) or Single Circuit (SCM) managed fibers. Additionally a dedicated Splitter Cassette for an easy integration of passive optical components is available. The enclosure impermeability matches to the requirement of moderate (IP54) or even harsh (IP67) outdoor applications. In order to protect the fibers from bending or environmental influence, conventional loose tube cables as well as micro cable or conduits of blown-in systems can be fastened to the inside of the box. Further there can be fastened various gas and water blocking systems inside the OptiBox 32.



Features

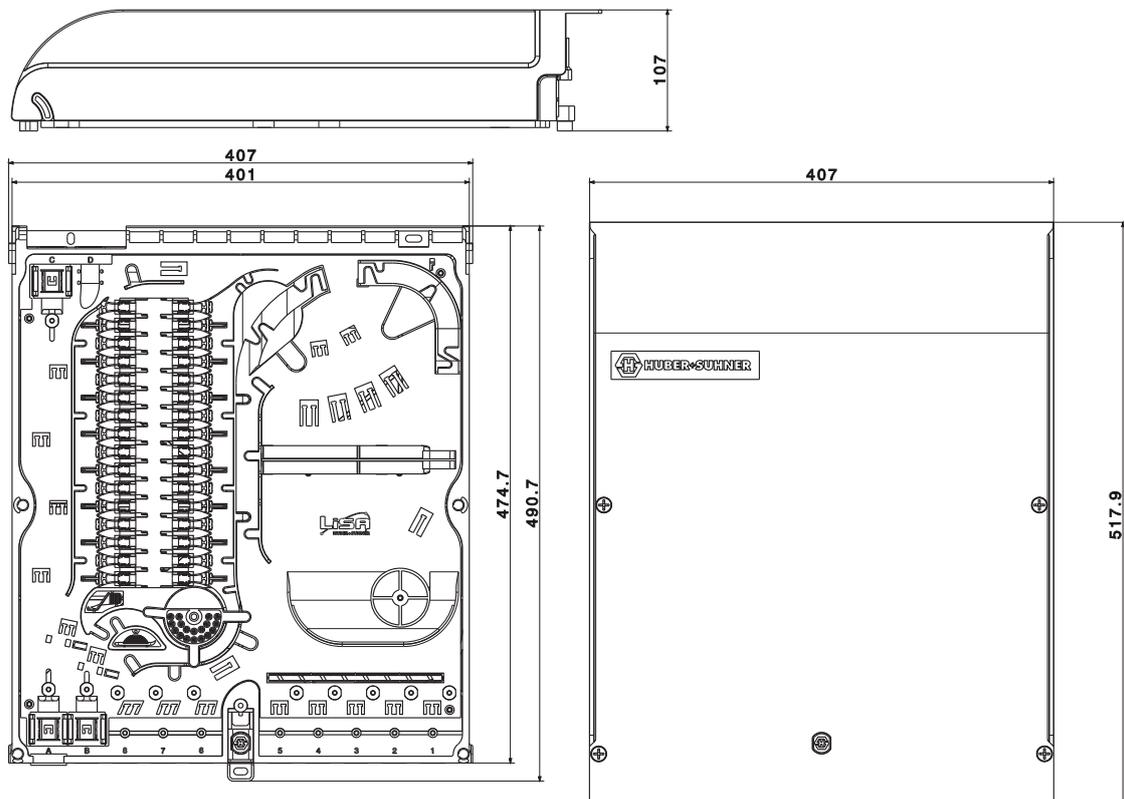
- User friendly splicing and patching box, consisting of base, fiber management support and a cover
- Detachable fiber management support
- Up to 32 adapters in SC shape (LC, LX.5, SC) mounted inside of the enclosure
- up to 16 positions to equip individually with ACS Splice Cassettes
- 2 cable entries, 2 cable exits on the top and 8 exits at the bottom
- Outside cable entries / exits are sealed with hinged half-shelf grommets
- Radius protected PachCord overlength storage
- Pigtail to Pigtail configuration
- Key lockable cover
- UV radiation resistant housing
- Enclosure impermeability matches the requirement of moderate outdoor applications



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OptiBox32 – for multi dwelling units

Attribute	Value
Dimensions (B x L x H)	407 x 518 x 107 mm
Capacity: detachable optical connections	64 x LC and LX.5, 32 x SC and E-2000™
Capacity for Advanced splice Cassette System	
ACS - MCM splice cassettes	16
ACS - SCM splice cassettes	16
ACS - SPL splitter cassettes	8
Dimension (Ø) cable or blow-in conduits	3 – 18 mm
Material: enclosure (cover / base)	PC
Fiber inlay / extension tray / add-on lid	PC / ABS
Color: enclosure (cover / base)	RAL 7024, graphite grey
Fiber inlay / extension tray / add-on lid	RAL 9002, grey white
Sealing grommets	RAL 9005, jet black
Ingress protection degree (EN60529)	IP54
Resistance to Impact (EN62262)	IK08
Temperature resistance long-term use	-46° ... +81°C
Flamability rating	UL 94V-0
UV resistance:	resistant
Free of halogen	yes



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Item no.	OptiBox32, IP54, including fiber management support, installation material and 7 cable grommets	6x ACs-MCM splice cassettes with heat shrink splice protection holder	12x ACs-MCM splice cassettes with heat shrink splice protection holder	16x ACs-MCM splice cassettes with heat shrink splice protection holder	8x ACS-SCM splice cassettes with heat shrink splice protection holder	16x ACS-SCM splice cassettes with heat shrink splice protection holder	Equipped with key lock
84123341	x						
84123342	x						x
84123335	x	x					
84123336	x	x					x
84123337	x		x				
84123340	x		x				x
84123338	x			x			
84123339	x			x			x
84123343	x				x		
84123345	x				x		x
84123344	x					x	
84123346	x					x	x



Cable grommet	Unit	Item no.
OTB-grommet-3-18mm-BK	1	84123347

Scope of supply:

Half shelf cable grommet.
Takes up cable diameters from 3 to 18 mm

Material: TPE
Colour: black, RAL 9055

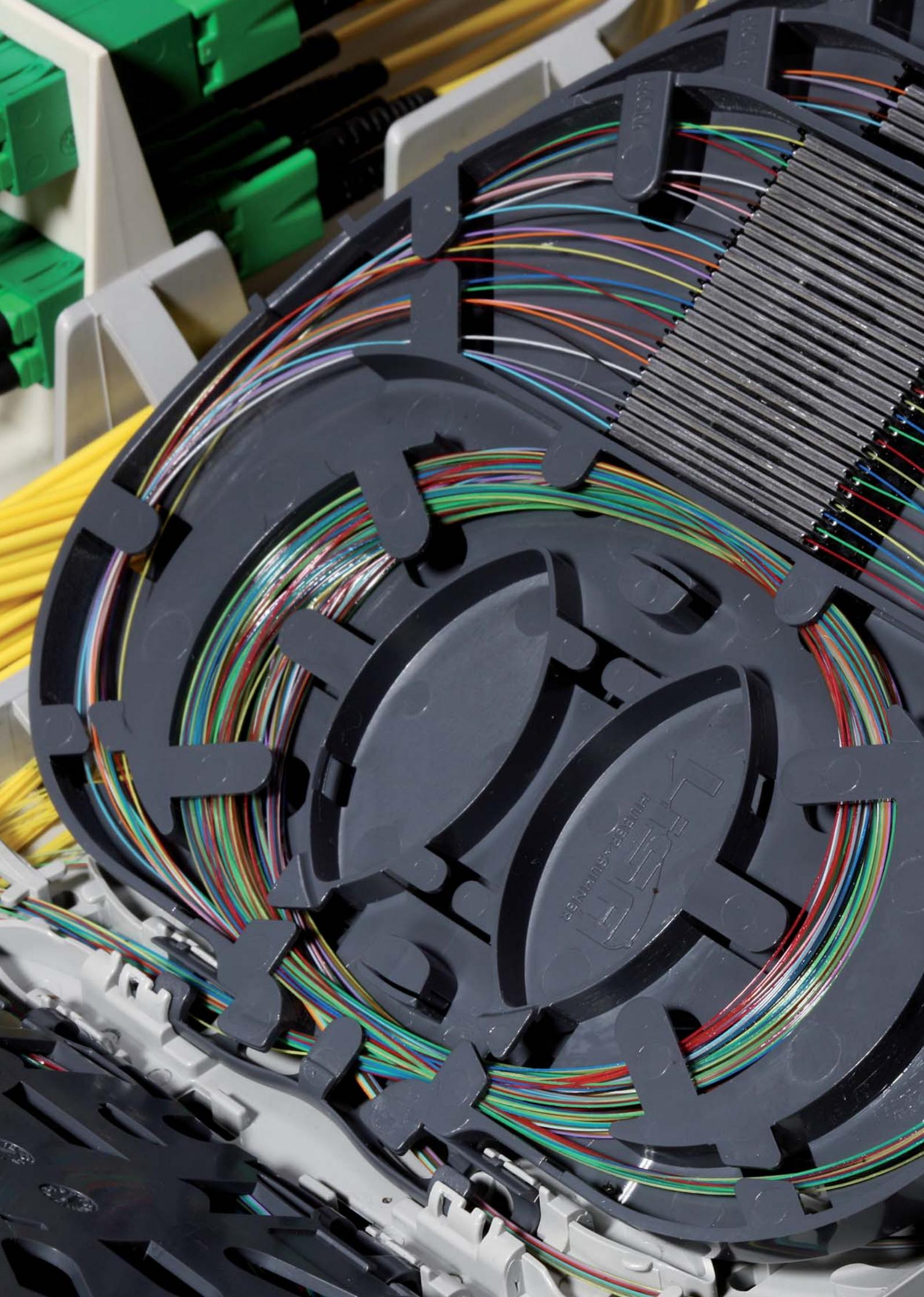


PatchCord fixing latch	Unit	Item no.
OTB-PC-fixing-latch	1	84123348

Scope of supply:

Patch Cord fixing latch including fastening screw
Fastens PatchCords securely

Material: TPE
Colour: black, RAL 9005



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Order code

OTB	Product line / family OptiBox
	Box type
4t	telecom version IP54, with 3 x 3 cable grommets, for up to 4 adapters SC-format
4i	industry version IP67, NO cable glands, for up to 4 adapters SC-format
32t	telecom version IP54, with 7 cable grommets, for up to 32 adapters SC-format
32i	industry version IP67, NO cable glands, for up to 32 adapters SC-format
	lock configuration
0	no lock
1	standard key lock
	splice cassette configuration
-	NO tray
T	add-on tray for OTB4
M	ACS-MCM cassette
nn	quantity add-on tray (00 or 01) or MCM (max. 16)
-	NO ACS-SCM cassette (given for OTB4)
S	ACS-SCM cassette
nn	quantity SCM (max. 16) 00 (given for OTB4)
-	NO ACS-Splitter cassette (given for OTB4)
P	ACS-SPL cassette
n	quantity SPL (max. 8) (00 given for OTB4)
	splice protector configuration (Side A)
00	no splice protection holder (no protectors)
S0	sandwich splice protection holder (protectors excluded)
S1	sandwich splice protection holder (protectors included)
H0	heatshrink splice protection holder (type Ø 1.8 x 40 mm) protectors excluded
H1	heatshrink splice protection holder (type Ø 1.8 x 40 mm) protectors included
M0	holder for mechanical splices (possible for OTB4 only)

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connector / adapter type	
xx	no connector / adapter
70	SC-PC Simplex, blue
73	SC-APC Simplex, green
81	LX.5-PC, blue (always duplex adapter)
84	LX.5-APC, green (always duplex adapter)
88	LC-PC, blue (always duplex adapter)
89	LC-APC, green (always duplex adapter)
nn	number of adapters (max. 16)
nn	number of pigtails or fibers to be spliced
fiber type	
00	NO pigtail - empty
09	singlemode 9/125µm, OS2
colour code	
0	no color code
1	Swisscom colour code
2	DIN colour code
3	ISO colour code
6	IEC colour code
product configuration	
O -	standard product configuration
S -	specific product configuration
performance class side A	
A	APC singlemode LAN ECO (standard)
B	APC singlemode High End
C	APC singlemode 0.1 dB
D	UPC singlemode High End
N	UPC singlemode LAN-ECO (standard)
F	UPC singlemode 0.1 dB
K	No connector
performance class side B	
K	No Connector

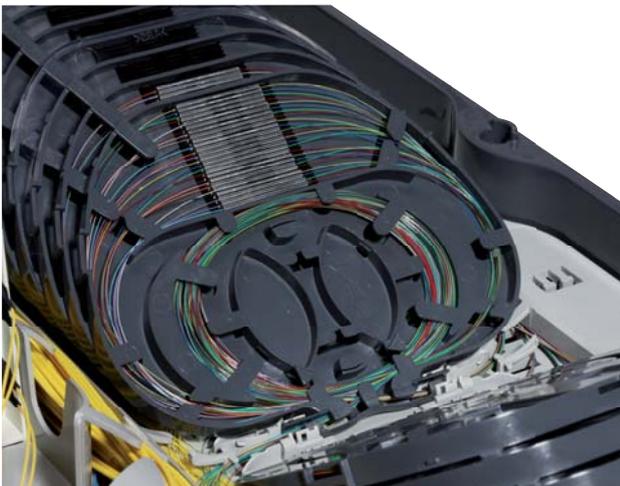
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ACS – Advanced Cassette System

The Advanced Cassette System (ACS) is a modular and easy to use fiber cassette system. The ACS embraces with its unique module concept by the fact that it is based on only a few components that can be put together without tools. Basically 3 types of cassettes are available to support the fiber infrastructure on a high level.

- SingleCircuit management (SCM) for specialised applications with higher handling and reliability requirements allows individual circuits to be managed without disturbing others.
- MultiCircuit management (MCM) for mass fiber deployment such as FTTH allows simple storage and fiber splicing for up to 24 splices in one cassette.
- Splitter cassette for an easy integration of passive devices such as splitters or CWDM elements into the network.

Access to the fibers is possible by folding away neighbouring cassettes, all previously spliced fiber remain undisturbed. The ACS-SCM cassette has the same dimensions like the ACS-MCM cassette but fibers can be spliced on the front- and the back side.



Features

- Comprehensive fiber containment
- High level of operational security
- Open fiber guidance throughout
- Full bend radius protection
- Cable structure independent
- Integrated cross-over field
- Storage position for unused fibers
- Robust hinge system

Attribute	ACS-SCM	ACS-MCM	ACS-SPC
Dimensions (B x L x H)	145 x 109 x 8 mm	145 x 109 x 8 mm	145 x 122 x 16 mm
Splicing capacity: 250 µm	4 + 4	24	24
900 µm	2 + 2	8	8
Smallest bend radius	27 mm		
Material:	PC / ABS		
Color:	RAL 9002 grey white	RAL 7024 graphite grey	RAL 7040 window grey

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ACS – Advanced Cassette System



ACS cassette	Unit	Item no.
ACS - SCM (Single Circuit cassette)	1	84123616
ACS - MCM (Multi Circuit cassette)	1	84123617
ACS - SPC (Splitter cassette)	1	84123618

Scope of supply:

ACS cassette

Material:	PC / ABS
Colour:	PC/ABS
	SCM grey white
	MCM graphite grey
	SPC window grey

Cover for ACS cassette	Unit	Item no.
Small cover fitting to SCM	1	84123616
Large cover fitting to MCM,SCM,SPC	1	84123617

Scope of supply:

Cover

Material:	PA
Colour:	black

Splice protection holder MCM	Unit	Item no.
Sandwich splice protection holder 24-way	1	84103969
Heat shrink splice protection holder 24-way	1	84123618

Scope of supply:

Splice protection holder

Material:	PA
Colour:	black

Splice protection holder SCM	Unit	Item no.
Sandwich splice protection holder 6-way	1	84003481
Heat shrink splice protection holder 4-way	1	84088989

Scope of supply:

Splice protection holder

Material:	PA
Colour:	black

The ACS product portfolio will be available about April 2011