

AIS

Denomination: **FIXING PLUG FOR INSULATING PANELS**

Codes: **AIS, AIS-C**

Reference: **FT AIS-en**

Date: **03/10/18**

Revision: **4**

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AIS



AIS-C

CHARACTERISTICS

- Plastic plug for fixing soft materials.
- Base materials where the plug could be installed: concrete, stone, solid brick, solid block, hollow brick, perforated brick, etc.
- Suitable for fixing: foam glass, glass wool, rock wool, isolated sheet, etc.

APPLICATION EXAMPLES



Examples: foam glass, glass wool, rock wool, isolated sheet, etc.

BASE MATERIAL



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1. RANGE

ITEM	DENOMINATION	PHOTO	MATERIAL	DESCRIPTION
1	AIS			For fixing isolated sheet, nail not included
2	AIS-C			For fixing isolated sheet, by hammering the nail.

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1.1 AIS

Fixing plug for insulating panels

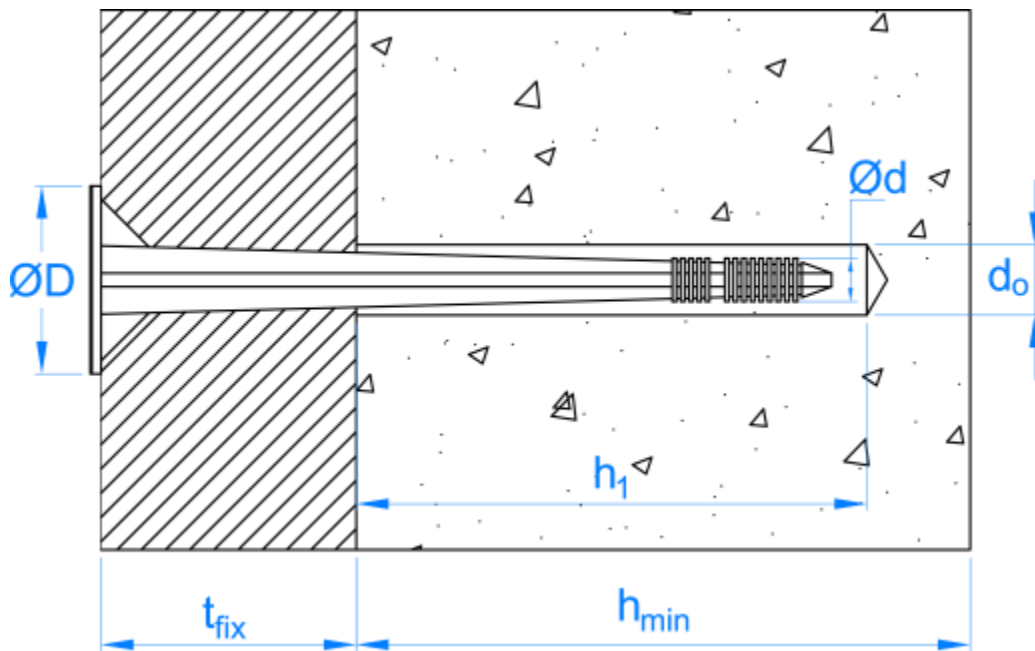


Material



Dimensions

CODE	Ød Body [mm]	Length [mm]	ØD Head Diameter [mm]	h ₁ Minimum Drill Bit Depth ≥ [mm]	t _{fix} Maximum Thickness Fixture ≥ [mm]	h _{min} Minimum Thickness of Base Material [mm]
AIS08080	8	80	35	30	20 – 50	50
AIS08100		100			50 – 70	
AIS08120		120			70 – 90	
AIS08140		140			90 – 110	



RECOMMENDED LOAD FOR USE IN CONCRETE (N_{recom})

CODIGO	Tension Load [kg]
AIS08080	1
AIS08100	
AIS08120	
AIS08140	

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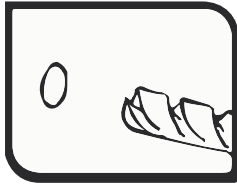
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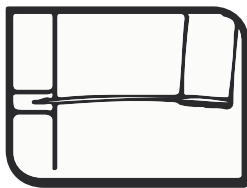
Installation Procedure



Check the concrete base is compact and porosity is insignificant.

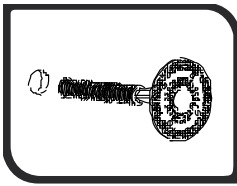
Drill to the specified diameter and depth values in previous table.

Use drill in hammer mode. In case of hollow materials do not use the hammer mode to prevent damages inside the base material. Reduce the speed when are about to finish the drill.

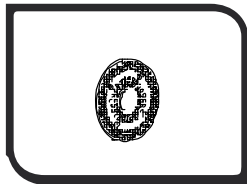


Clear the drill holes completely of dust and fragments.

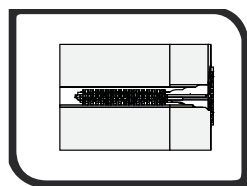
Use air pump and brush.



Set up the fixture



Insert the anchor in the hole until limit is reached.



Use the mallet in case of need.

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1.2 AIS-C

Fixing plug for insulating panels with nail

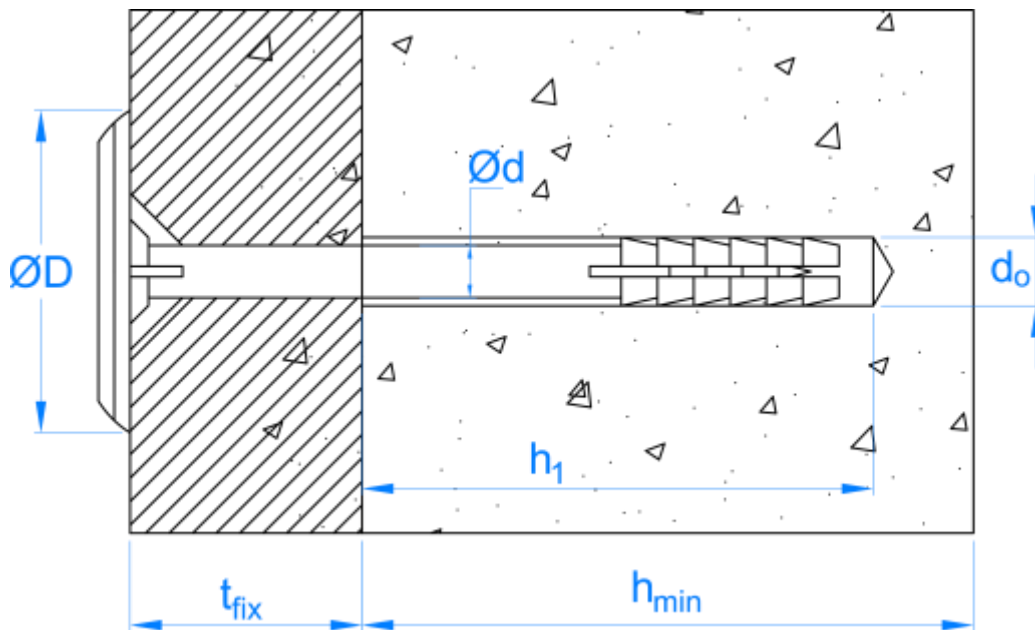


Material



Dimensions

CODE	Ød Body [mm]	Length [mm]	ØD Head Diameter [mm]	h ₁ Minimum Drill Bit Depth ≥ [mm]	t _{fix} Maximum Thickness Fixture ≥ [mm]	h _{min} Minimum Thickness of Base Material [mm]
AISC10070	10	70	52	30	20 – 50	50
AISC10090		90			50 – 70	
AISC10110		110			70 – 90	
AISC10130		130			90 – 110	



RECOMMENDED LOAD FOR USE IN CONCRETE (N_{recom})

CODIGO	Tension Load [kg]
AISC10070	1
AISC10090	
AISC10110	
AISC10130	

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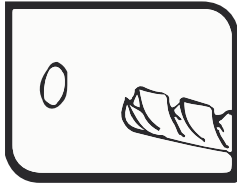
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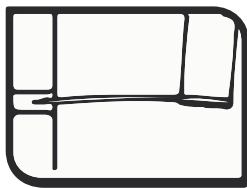
Installation Procedure



Check the concrete base is compact and porosity is insignificant.

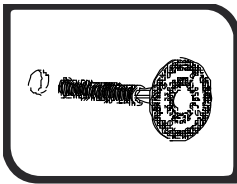
Drill to the specified diameter and depth values in previous table.

Use drill in hammer mode. In case of hollow materials do not use the hammer mode to prevent damages inside the base material. Reduce the speed when are about to finish the drill.

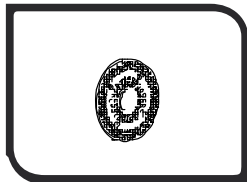


Clear the drill holes completely of dust and fragments.

Use air pump and brush.

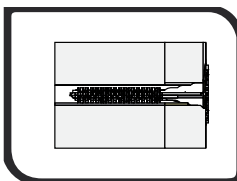


Set up the fixture.



Insert the anchor in the hole until limit is reached.

Push the nail in order to expand the anchor.



Use the mallet in case of need.