



AN-23



AN-50 CT



AN-TA



AN-51



TC-SO 2



TC-SO 8

CHARACTERISTICS

- ANFAZ50 Scaffolding anchor to be fixed with AZAMC10 Ø10 zamak anchor.
- ANFA Scaffolding anchor to be fixed with Ø14 or Ø16 TCSO nylon plug.
- Scaffolding anchor with welded pressed eye with Ø23 mm diameter eye opening (ANFA23) or Ø51 mm eye opening (ANFA51).
- Available in a wide range of lengths.
- Light medium loads.







BASE MATERIALS



APPLICATION EXAMPLES



- Suitable for a wide range of base materials: concrete, stones, solid brick, hollow brick, etc.
- Use: for scaffolding applications in walls, floors, etc...

1. RANGE				
ITEM	CODE	SIZES	PHOTO	MATERIAL / COATING
1	AN-23	Ø12 x 90 to Ø12 x 350		 Z ZINC
2	AN-23	Ø12 x 140 to Ø12 x 240		 Z ZINC
3	TC-SO 2	Ø14 x 75 to Ø14 x 100		 Ny NYLON POLYAMIDE 6
4	TC-SO 8	Ø14 x 130 to Ø16 x 240		 Ny NYLON POLYAMIDE 6
5	AN-TA	Ø6 13 x 37		 Ny NYLON POLYAMIDE 6
6	AN-50 CT	Ø16 M10 x 210		 Z ZINC  Zk ZAMAK

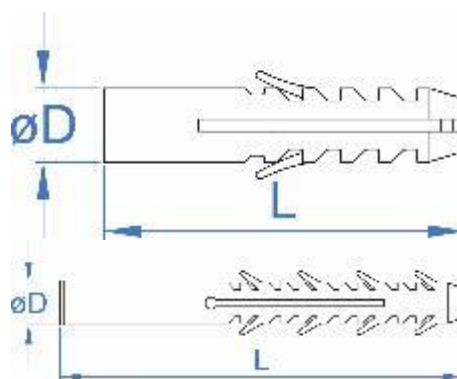
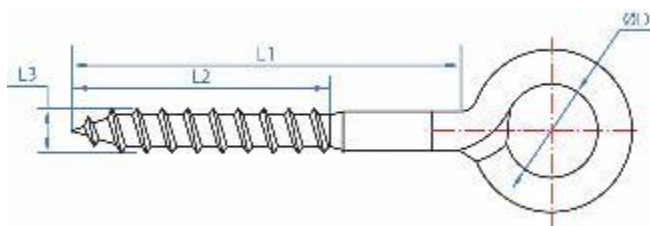
2. INSTALLATION DATA

2.1. ANFA 23 / 51



Installation Data

Eye screw code	Recommended plug*	Eye screw dimensions (L1 x L3)	ØD Eye	Plug dimensions (ØD x L)	do: drill-bit diameter	$h_{ef} = h_{nom}$: effective depth	h_1 : minimum drill hole depth
		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
ANFA2309	TCSO14075	12 x 90	23	14 x 75	14	75	85
ANFA2312	TCSO14100	12 x 120	23	14 x 100	14	100	110
ANFA2316	TCSO14130	12 x 160	23	14 x 130	14	130	140
ANFA2319	TCSO14160 / TCSO16160	12 x 190	23	14/16 x 160	14/16	160	170
ANFA2323	TCSO16200	12 x 230	23	16 x 200	16	200	210
ANFA2330	TCSO16240	12 x 300	23	16 x 240	16	240	250
ANFA2335	TCSO16240	12 x 350	23	16 x 240	16	240	250
ANFA5114	TCSO16140	12 x 140	51	16 x 140	16	140	150
ANFA5116	TCSO14160 / TCSO16160	12 x 160	51	14/16 x 160	14/16	160	170
ANFA5120	TCSO16200	12 x 200	51	16 x 200	16	200	210
ANFA5124	TCSO16240	12 x 240	51	16 x 240	16	240	250



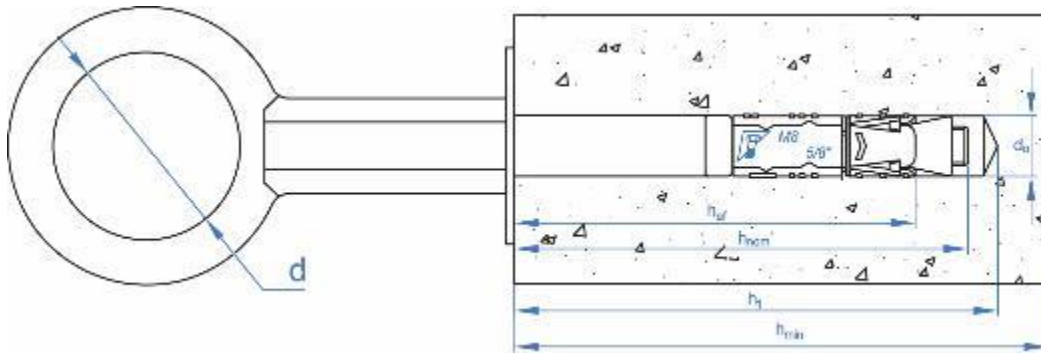
*The length of the eye screw (ANFA) for the installation with plugs (TCSO) must have at least the same length that the plug used.

2.2. ANFA 23 / 51



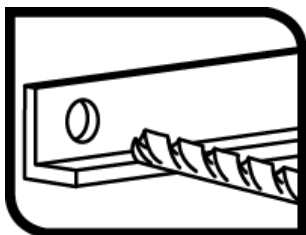
Installation data

Eye bolt code	Anchor code	ØD Eye bolt	Anchor dimensions	d ₀ : drill-bit diameter	h _{nom} : nominal depth	h ₁ : minimum drill hole depth	h _{nom} : minimum base material thickness	T _{inst} : installation torque
		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[Nm]
ANFAZ5021	AZAMC10	50	M10 x 58	16	58	75	102	30



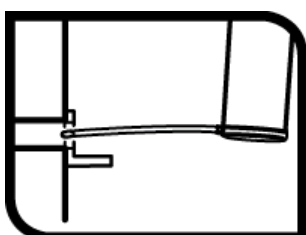
3. INSTALLATION PROCEDURE

3.1 INSTALLATION OF AN-23/51



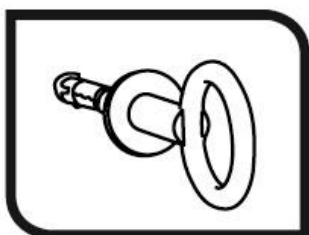
1. DRILL

Check the concrete is well compacted and without significant porosity. Suitable for dry, wet and flooded holes. Use drill in hammer or rotation mode. In case of hollow materials do not use the hammer mode to avoid producing damages in the interior of the base material. Reduce the drilling speed when it's presumed that the drill bit is close to the hollow space inside the base material. Drill to the specified diameter and depth values



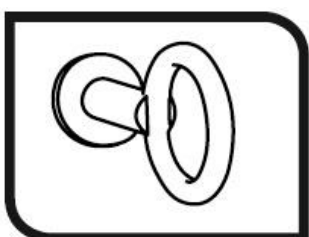
2. BLOW AND CLEAN

Clean the hole from dust and concrete remains. Use blow pump and brush. .



3. INSTALL

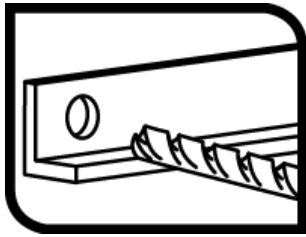
Insert the plug into the base material. Do it until the material Surface, in case of having a collar, do it until the collar in in contact with the material. Use a hammer if needed.



4. INTRODUCE THE EYE SCREW

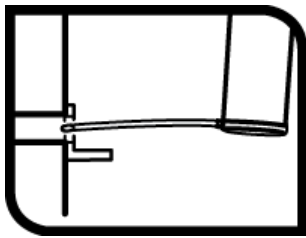
Screw the eye with caution of not over torque that may cause the plug to spin. This is important when installing in hollow materials

3.2 INSTALLATION AN-50 CT



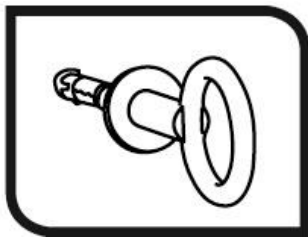
1. DRILL

Check the concrete is well compacted and without significant porosity. Suitable for dry, wet and flooded holes.
Use drill in hammer or rotation mode. In case of hollow materials do not use the hammer mode to avoid producing damages in the interior of the base material. Reduce the drilling speed when it's presumed that the drill bit is close to the hollow space inside the base material.
Drill to the specified diameter and depth values



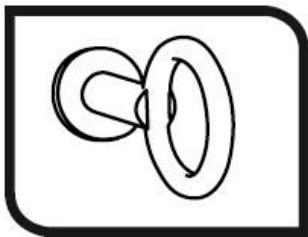
2. BLOW AND CLEAN

Clean the hole from dust and concrete remains.
Use blow pump and brush. .



3. INSTALL

Insert the plug into the base material. Do it until the material surface, in case of having a collar, do it until the collar is in contact with the material. Use a hammer if needed.



4. APPLY THE TORQUE

Apply the nominal torque specified in previous tables.
Use torque wrench in order to ensure correct installation.

4. RESISTANCES

Resistances in concrete class C20/25 for an isolated anchor (without spacing or concrete edge distance effects) are indicated in the following table:

4.1. MAXIMUM RECOMMENDED LOAD N_{rec} [kN]

Eye code	Recommended plug*	Maximum recommended load (Tension)
		[kN]
ANFA2309	TCSO14075	3,5
ANFA2312	TCSO14100	4,0
ANFA2316	TCSO14130	6,0
ANFA2319	TCSO14160 / TCSO16160	7,0
ANFA2323	TCSO16200	7,0
ANFA2330	TCSO16240	7,0
ANFA2335	TCSO16240	7,0
ANFA5114	TCSO16140	7,0
ANFA5116	TCSO14160 / TCSO16160	7,0
ANFA5120	TCSO16200	7,0
ANFA5124	TCSO16240	7,0

*The length of the eye screw (ANFA) for the installation with plugs (TCSO) must have at least the same length that the plug used.