



TAIS *Cube*



more **power**
to *the cube*

WITH A CLICK



TAIS Cube IP66

Palazzoli
GROUP



TAIS CUBE DESIGNED IN GRP THERMOSETTING
FOR TOUGH ENCLOSURE APPLICATIONS WHERE SPACE,
INGRESS PROTECTION, QUICK INSTALLATION
AND LONG SERVICE LIFE IS IMPORTANT.
AVAILABLE WITH BLIND OR TRANSPARENT DOOR.

**Tais Cube flexible and cost effective solutions for industry,
commerce, rail, power distribution, switching automation,
control and monitoring.**



Resistant to everything thanks to the Palazzoli thermosetting material

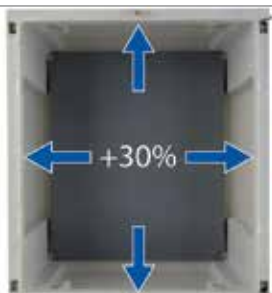
GOOD DESIGN
INTERNATIONAL AWARD



TAIS Cube has a very high protection rating, IP66. This characteristic, certified with a laboratory test, guarantees the product against strong water jets.



The steel frame allows to easily mount modular devices and cable trunkings and to comfortably wire everything on the bench, out of the board. The wired frame can then be easily inserted inside through a **click**. The material it is made of guarantees robustness and durability over time.



The board special design makes this series of products very wide and spacious. Consequently the back plate and door, either blind or transparent, offer 15% of extra space available if compared with similar sizes of the major competitors.



The door hinges, made of stainless steel and nicked brass, are located far from the edges to avoid eventual breakings in case of falls or impacts.



Size	N. vertical modules	N. EN 50022 modules	External dimensions	Internal usable dimensions	Distribution board with blind door	Distribution board with transparent door
1	-	-	260x305x160	200x250x100	550001	550031
2	3	36 (3X12)	340x430x180	280x375x120	550002	550032
3	3	54 (3X18)	450x505x220	390x450x160	550003	550033
4	4	72 (4X18)	450x655x220	390x600x160	550004	550034
5	4	96 (4X24)	560x655x260	500x600x200	550005	550035
6	5	140 (5X28)	630x810x300	570x750x235	550006	550036
7	5	200 (5X40)	850x1060x350	790x1000x290	550007	550037

THE REVOLUTIONARY



CLIPPING SYSTEM



insert the holders

assemble the frame

insert the frame



AUTOMATION			DISTRIBUTION					
								
								
Back plate in steel	Back plate in thermosetting (GRP)	Inner door in thermosetting (GRP)	Click Cube functional frame	Click Cube windowed panel	Click Cube blind panel	Click Cube blind double panel	Click Cube EN 50022 rail	Click Cube partial back plate in steel
550601	550621	-	-	-	-	-	-	-
550602	550622	550502	550562	550522	550542	550552	550582	550632
550603	550623	550503	550563	550523	550543	550553	550583	550633
550604	550624	550504	550564					
550605	550625	550505						
550606	550626	550506	550566	550526	550546	550556	550586	550636
550607	-	550507	550567	550527	550547	550557	550587	550637

COMMON ACCESSORIES				
				
Set of 4 brackets		Security lock	Support for pole mounting	
Zinc steel	Stainless steel		For sizes 1-2	For sizes 3-4-5
550640	550641	550680	550642	550643



TAIS Cube series distribution and automation boards are a range of products in thermosetting (GRP) for heavy duty uses with IP66 protection rating and resistant to UV rays. The system is composed of 7 sizes in the versions with blind or transparent door. The accessories to use the board in typical configurations of automation are the back plate in steel sheet or in thermosetting (GRP) and the inner door in thermosetting (GRP), equipped with opening handles and that can be installed at two different positions and fixed on both sides.

In the configuration for distribution, the steel frame allows modular compositions with blind or windowed moulded panels, EN 50022 rails that can be regulated at different depths, and partial back plates. All the elements can be fixed with the "Click Cube" clipping system.

Wiring can be done on the bench, out of the board or directly inside the board. The door is fixed to the back box with elements in nicked brass and stainless steel located far from the edges and that allows an opening wider than 180°.

Conformity to standards	IEC/EN 62208
Material	Thermosetting (GRP)
Protection rating (IP as per IEC/EN 60529)	IP66
Colour	RAL7035
Resistance to abnormal heat and fire ("Glow Wire" as per IEC/EN 60695-2-10)	960°C
Self-extinguishing grade (as per UL94)	V0
Resistance to impacts (IK rating as per IEC/EN 62262)	IK10
Rated frequency	0 - 1000 Hz
Rated voltage AC	AC 1000 Vac
Rated voltage DC	DC 1500 Vdc
Rated impulse seal voltage	8kV
Maximum short-circuit current	Idc 35kA
Insulation class	II
Operating temperature	-30°C - +100°C



Resistance to chemical agents

WATER	SALINE ATMOSPHERES	ACIDS		CHEMICAL BASES		SOLVENTS			
		CONCENTRATED	DILUTED	CONCENTRATED	DILUTED	ALCOHOL	ACETONE	PERCHLOROETHYLENE	BENZENE
↑	↑	→	↑	↑	↑	↑	↑	↑	↑
OILS		FATS		AMMONIA	OXIDIZERS	INORGANIC SALTS	GASOLINE	DETERGENTS	U.V. RAYS
MINERAL	VEGETABLE	ANIMAL	SYNTHETIC						
↑	↑	↑	↑	↑	↑	↑	↑	↑	↑

Legend: ↑ high resistance → partial resistance



Distribution boards
in thermosetting (GRP)
with **blind door**
IP66

Size	External dimensions (mm)	Internal usable dimensions (mm)	Power dissipation allowed when empty (W)	Palazzoli code	Pack Q.ty
1	260x305x160	200x250x100	53	550001	1
2	340x430x180	280x375x120	90	550002	1
3	450x505x220	390x450x160	138	550003	1
4	450x655x220	390x600x160	174	550004	1
5	560x655x260	500x600x200	217	550005	1
6	630x810x300	570x750x235	302	550006	1
7	850x1060x350	790x1000x290	506	550007	1

Equipment included: key with triangular insert, screwcaps for double insulation.

Note: the completed installation in conditions of extremely variable climate may require the use of anti-condensation devices.



Distribution boards
in thermosetting (GRP)
with **transparent door**
IP66

Size	External dimensions (mm)	N. EN 50022 modules	Power dissipation allowed when empty (W)	Palazzoli code	Pack Q.ty
1	260x305x160	-	53	550031	1
2	340x430x180	36 (3x12)	90	550032	1
3	450x505x220	54 (3x18)	138	550033	1
4	450x655x220	72 (4x18)	174	550034	1
5	560x655x260	96 (4x24)	217	550035	1
6	630x810x300	140 (5x28)	302	550036	1
7	850x1060x350	200 (5x40)	506	550037	1

Equipment included: key with triangular insert, screwcaps for double insulation.

Note: the completed installation in conditions of extremely variable climate may require the use of anti-condensation devices.



Back plates
in **steel**

Size	Dimensions (mm)	Palazzoli code	Pack Q.ty
1	180x240	550601	5
2	260x370	550602	5
3	370x445	550603	5
4	370x595	550604	1
5	475x595	550605	1
6	550x745	550606	1
7	765x995	550607	1

Equipment included: complete with screws for mounting.



Back plates
in **thermosetting (GRP)**

Size	Dimensions (mm)	Palazzoli code	Pack Q.ty
1	180x240	550621	5
2	260x370	550622	5
3	370x445	550623	5
4	370x595	550624	1
5	475x595	550625	1
6	550x745	550626	1

Equipment included: complete with screws for mounting.



Inner doors
in **thermosetting (GRP)**

Size	Dimensions (mm)	Palazzoli code	Pack Q.ty
2	280x375	550502	4
3	388x450	550503	4
4	388x600	550504	4
5	496x600	550505	1
6	568x750	550506	1
7	784x1000	550507	1

Characteristics: the inner door is reversible and easy to open through the handles. It can be used as back plate.



Click Cube functional frames
in steel, for the installation of
front panels and EN 50022
rails



Size	N. installable panels	Palazzoli code	Pack Q.ty
2	3	550562	6
3	3	550563	6
4-5	4	550564	6
6	5	550566	1
7	5	550567	1

Equipment included: complete with holders for mounting.

Characteristics: it allows the wiring of the modular panels outside of the board and the installation of EN 50022 at different heights.



**Click Cube front windowed
panels** with EN 50022 for
modular devices



Size	Height (mm)	N. EN 50022 modules	Palazzoli code	Pack Q.ty
2	125	12	550522	6
3-4	150	18	550523	6
5	150	24	550525	4
6	150	28	550526	4
7	200	40	550527	1

Equipment included: modular covers.

Characteristics: quick fixing with ¼ turn screw insert.



Click Cube front blind panels
at single height



Size	Height (mm)	Palazzoli code	Pack Q.ty
2	125	550542	6
3-4	150	550543	6
5	150	550545	4
6	150	550546	4
7	200	550547	1

Characteristics: quick fixing with ¼ turn screw insert.



Click Cube front blind panels
at double height



Size	Height (mm)	Palazzoli code	Pack Q.ty
2	250	550552	4
3-4	300	550553	4
5	300	550555	1
6	300	550556	1
7	400	550557	1

Characteristics: quick fixing with ¼ turn screw insert.



Click Cube EN 50022 rails
reinforced for frames



Size	N. EN 50022 modules	Palazzoli code	Pack Q.ty
2	12	550582	6
3-4	18	550583	6
5	24	550585	1
6	28	550586	1
7	40	550587	1

Equipment included: complete with screws for mounting.



**Click Cube partial back
plates** in steel, adjustable
in depth



Size	Height (mm)	Palazzoli code	Pack Q.ty
2	125	550632	1
3-4	150	550633	1
5	150	550635	1
6	150	550636	1
7	200	550637	1

Equipment included: complete with screws for mounting.



Set of **brackets**
for wall mounting

N. brackets	Material	Palazzoli code	Pack Q.ty
4	Zinc steel	550640	20
4	Stainless steel	550641	5

Characteristics: they can be mounted horizontally, vertically or hidden, retaining the double insulation.



Pair of **accessories**
for pole mounting

Size	Material	Palazzoli code	Pack Q.ty
1-2	Steel	550642	1
3-4-5	Steel	550643	1

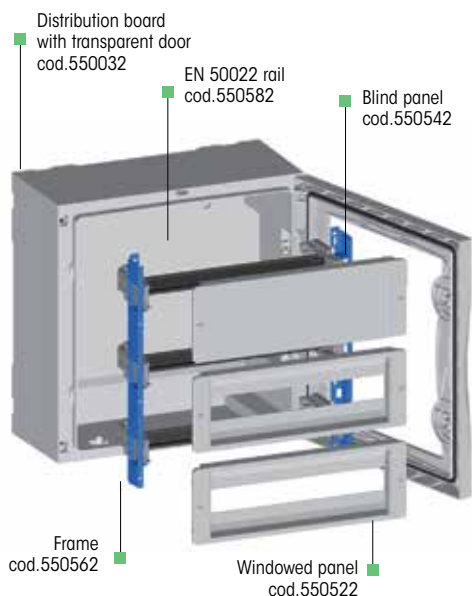
Characteristics: predispositions for metal cable tie for mounting on poles with diameter larger than 80mm.



Security lock
with handle

N. keys	Material	Palazzoli code	Pack Q.ty
2	Steel	550680	10

Characteristics: closing with Yale code key.



Click Cube
spacer kit



Size	Length (mm)	Palazzoli code	Pack Q.ty
2	70	550662	1
3-4	110	550663	1
5	150	550665	1
6	190	550666	1
7	240	550667	1

Note: the kit must be used to install Click Cube functional frames in the distribution boards without predisposition (before 2015).



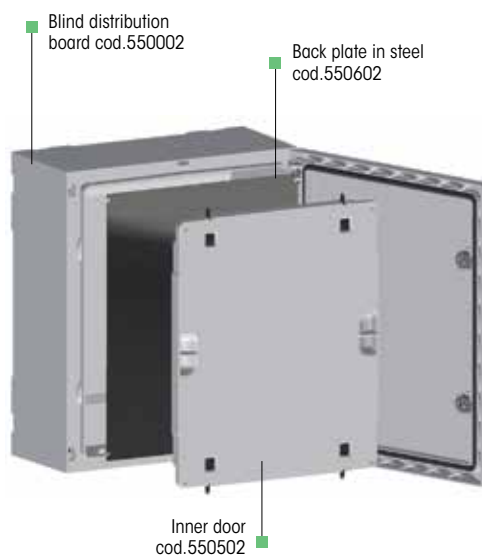
Click Cube
brackets
for fixing cable trunkings



N. brackets	Material	Palazzoli code	Pack Q.ty
8	Steel	550648	1

Equipment included: complete with screws for mounting.

Note: for all the sizes of functional frames.





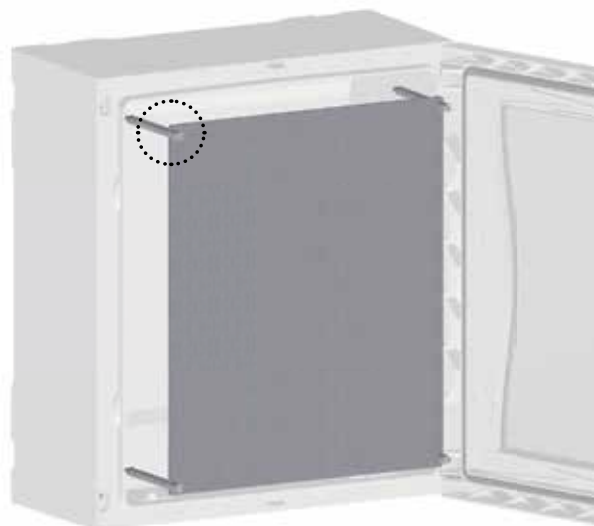
MORE ADVANTAGES



WITH TAIS CUBE



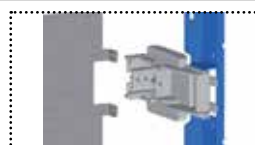
FRAME + BRACKETS + TRUNKINGS
Fixing of the cable trunkings horizontally
and vertically using the brackets



SPACERS + BACK PLATE
Back plate adjustable in depth
using the spacer



FRAME + PANELS + SPACERS
Frame adjustable in depth
using the spacer

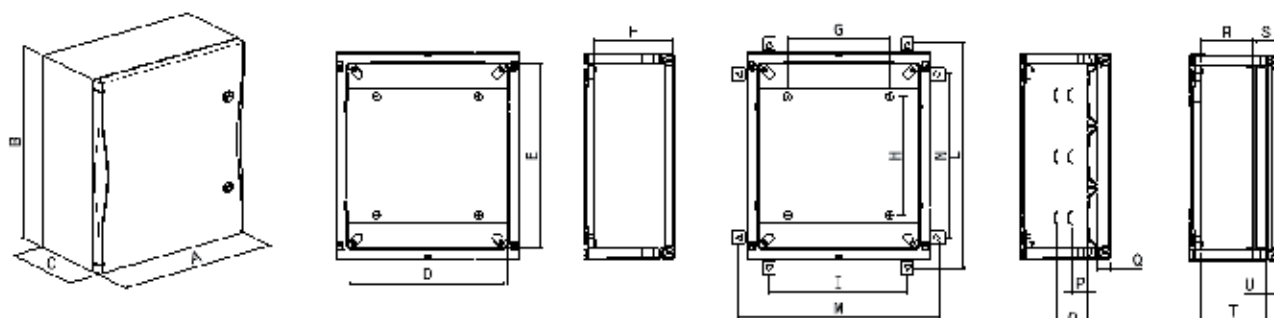


FRAME + PARTIAL BACK PLATES
Partial back plate adjustable in depth
or in flat position



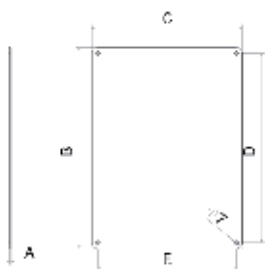
TAIS CUBE series

Boards in thermosetting (GRP)



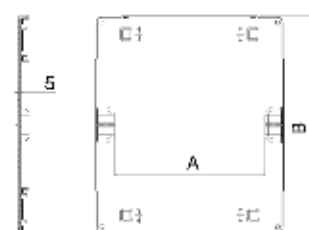
Size	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	L (mm)	M (mm)	N (mm)	O (mm)	P (mm)	Q (mm)	R (mm)	S (mm)	T (mm)	U (mm)
1	258	304	160	200	250	131	60	87	148	355	305	198	-	-	-	-	-	-	-
2	340	430	180	282	376	151	142	214	230	481	386	324	78	50	34	89	62	119	32
3	449	506	220	390	451	191	250	290	338	556	495	399	78	50	34	129	62	159	32
4	449	656	220	390	601	191	250	439	338	706	495	549	78	50	34	129	62	159	32
5	558	656	260	498	601	230	358	439	446	706	603	549	78	50	34	168	62	198	32
6	631	807	300	570	751	269	430	590	518	856	675	699	78	50	34	207	62	237	32
7	848	1058	350	786	1001	319	646	842	734	1106	891	949	78	50	34	257	62	237	32

Back plates



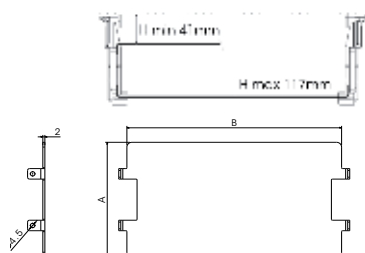
Code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
550601	1,5	244	180	222	172
550602	1,5	370	261	348	254
550603	2	445	370	423	362
550604	2	595	370	573	362
550605	2	595	477	573	470
550606	2	745	550	723	542
550607	2	745	765	723	542
550621	3	244	194	222	172
550622	3	370	276	348	254
550623	3	445	384	423	362
550624	3	595	384	573	362
550625	3	595	492	573	470
550626	3	745	564	723	542

Inner doors



Code	A (mm)	B (mm)
550502	204	375
550503	310	450
550504	310	600
550505	335	600
550506	407	750
550507	623	1000

Partial back plates



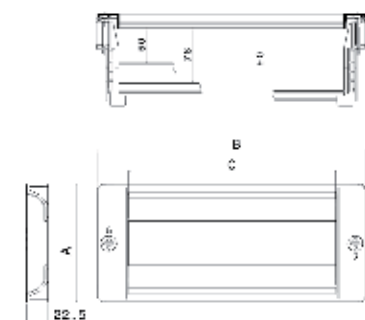
Code	A (mm)	B (mm)
550632	120	211
550633	145	319
550635	145	427
550636	145	499
550637	195	715

Spacers



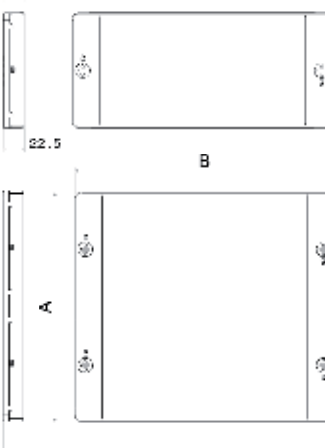
Code	L (mm)	N. positions
550662	70	7
550663	110	11
550665	150	15
550666	190	19
550667	240	24

Windowed panels



Code	A (mm)	B (mm)	C (mm)
550522	124	280	216
550523	149	388	324
550525	149	496	432
550526	149	568	504
550527	199	784	720

Blind panels



Code	A (mm)	B (mm)
550542	124	280
550543	149	388
550545	149	496
550546	149	568
550547	199	784
550552	248	280
550553	298	388
550555	298	496
550556	298	568
550557	398	784

TAIS *Cube*

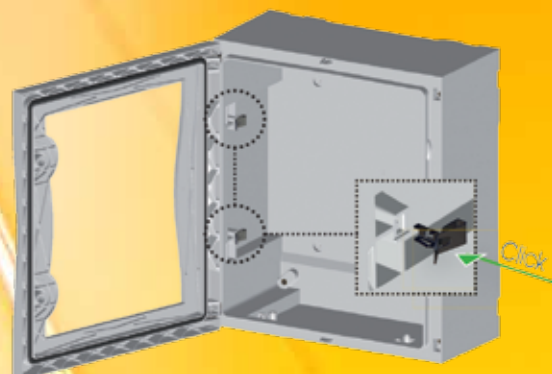
more **power**
to the cube
with a click

Click
Cube

Palazzoli



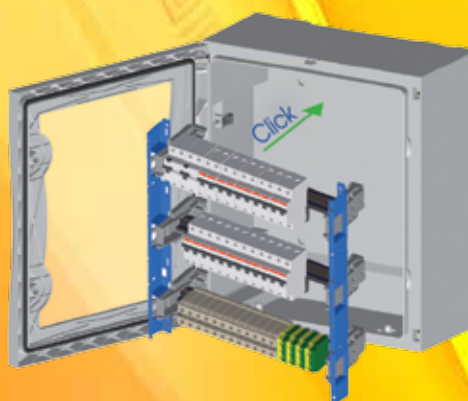
insert the holders



assemble the frame



insert the frame



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