

		Организионаний страниции странис
	ТРРО	TRPO
	ΤΡΡΟΖ	ABA
-		
	ТРТО	ΑΤΑ
		() minim
	TPA2	TCLA
X	**********	
	TPBR	TRE-Z / TRE-PV
	FS	TPTPAD / TPTP
	CHARACTERISTICS	APPLICATIONS

- Zinc plated, zinc yellow passivated and stainless steel.
- Self drilling versions, inviolate, with hole for cup, different heads and slots: assembling flexibility.
- Use in all type of assemblies of wood carpentry.
- Applications: union of metallic wood connectors to wood, woods assembly, iron reinforcements to wood....

BASE MATERIAL



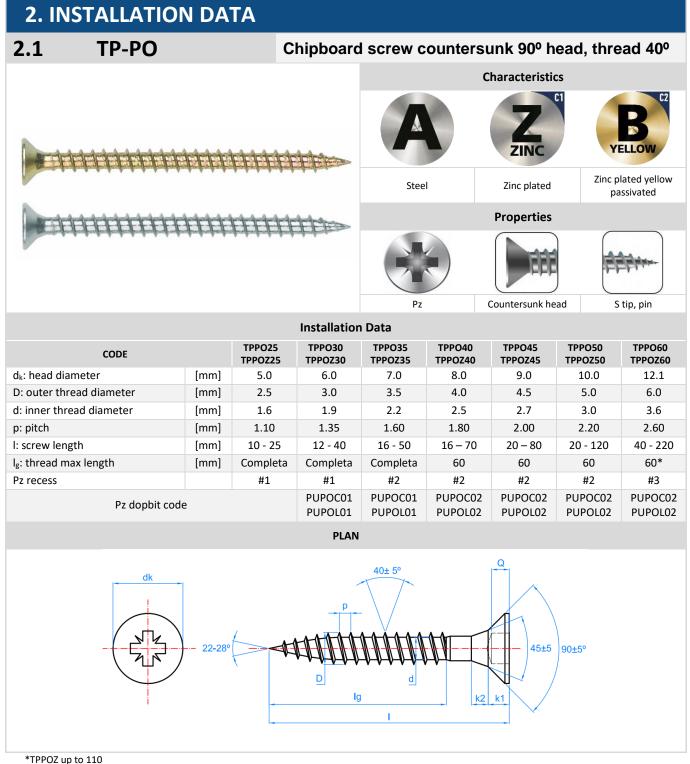




1. SELECTION CHART

SCREW		HEAD	TIP	THREAD	SLOT	SURFACE TREATMENT	APPLICATION	
ΤΡΡΟ		Countersunk 90º	S	Wood 40º	Pz	Zinc plated yellow passivated	Fixing metallic connectors on wood Wood to wood fixings	
TPPOZ	jennan and an and an	Countersunk 90º	S	Wood 40º	Pz	Zinc plated	Fixing metallic connectors or wood Wood to wood fixings	
τρτο	}	Countersunk 90º	S	Wood 40º	Тх	Zinc plated yellow passivated	Fixing metallic connectors or wood Wood to wood fixings	
TPA2		Countersunk 90º	S	Wood 40º	Pz	Stainless steel A2	Fixing metallic connectors or wood Wood to wood fixings	
TPBR	8	Countersunk 90º	Drill	Wood 40º	Pz	Zinc plated	Hard surface wood. Hard wood	
TRPO	6	Round	S	Wood 40º	Pz	Zinc plated yellow passivated	Fixing handles, power dopbit, shields, etc.	
ABA	<u>}</u>	Countersunk	Drill	Metal 60º	Ph	Zinc plated	Fixing wood >12 mm to a metallic profile	
ΑΤΑ	<u>}</u>	Countersunk	Drill	Metal 60º	Tx	Zinc plated	Fixing wood >12 mm to a metallic profile	
TCLA		Pan	Nail	Self tapping	Ph + ranura	Zinc plated	Venetian-blind fastening	
TREZ/ TREPV		Pan	Straight	Wood 40º	Allen	Zinc plated / Black oxidation	Chipboard fixings	
FS		Countersunk 90º	Drill	Metal 60º		Zinc plated	Fixing metal plates to wood	

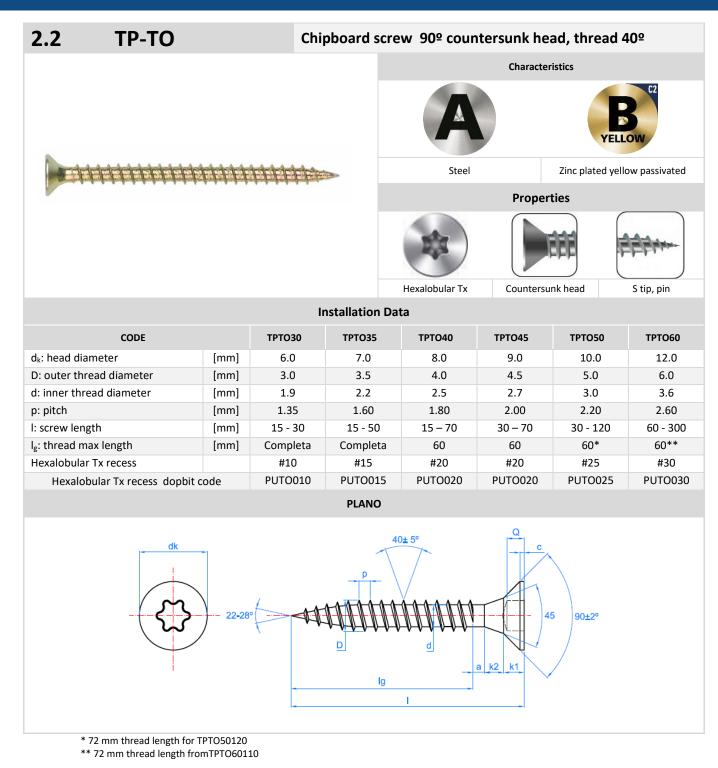




** 75 mm thread length from TPPO60120

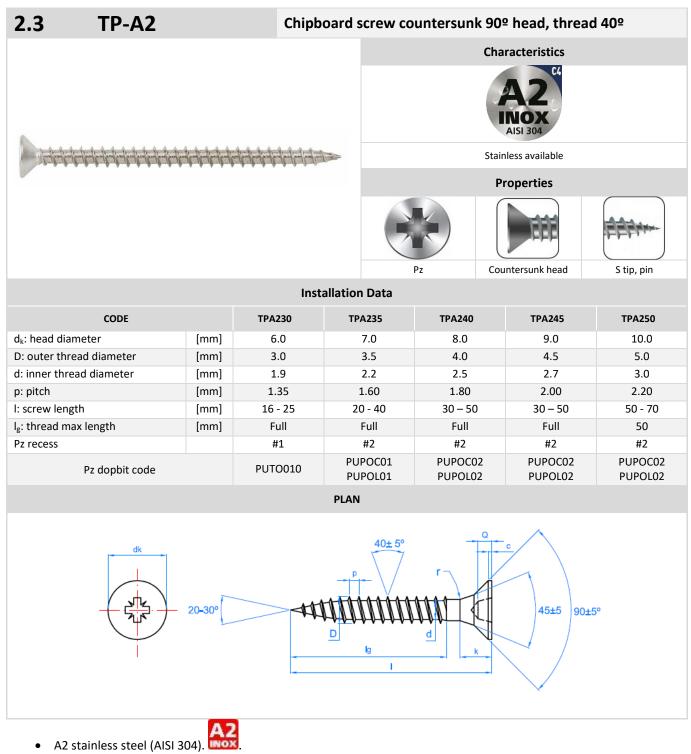
- Zinc plated yellow passivated.
- 90^o countersunk head, 40^o wood thread, Pz recess.
- S tip allows wood straight drill.
- Applications:
 - Fixing metallic drilled connectors on wood.
 - Fixing metallic drilled reinforcements on wood.
 - Fixing hard wood on wood.





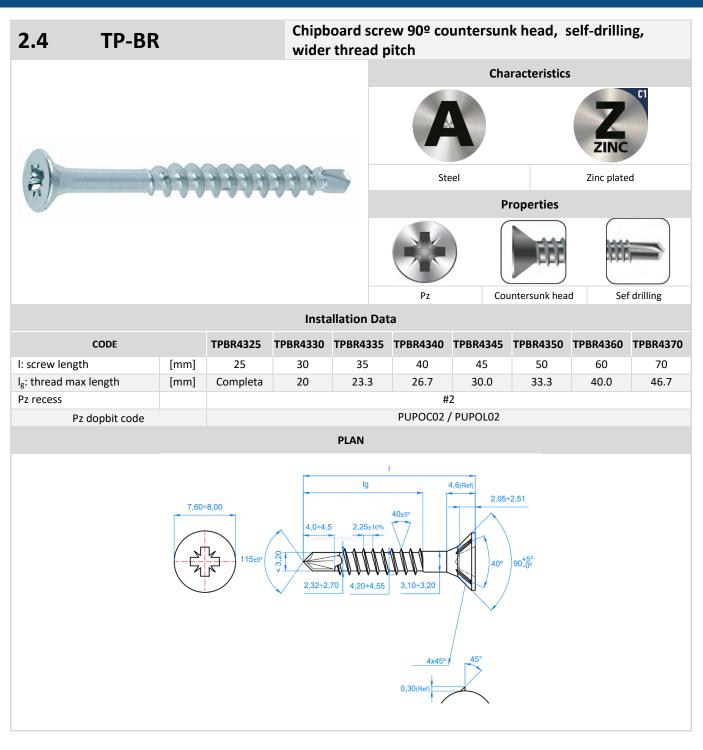
- Zinc plated yellow passivated.
- 90^o countersunk head, 40^o wood thread, S tip allows wood straight drill.
- Hexalobular ISO 10664 (Tx) recess allows higher torque than Pz.
- Applications:
 - Fixing metallic drilled connectors on wood.
 - Fixing metallic drilled reinforcements on wood.
 - Fixing wood on wood.





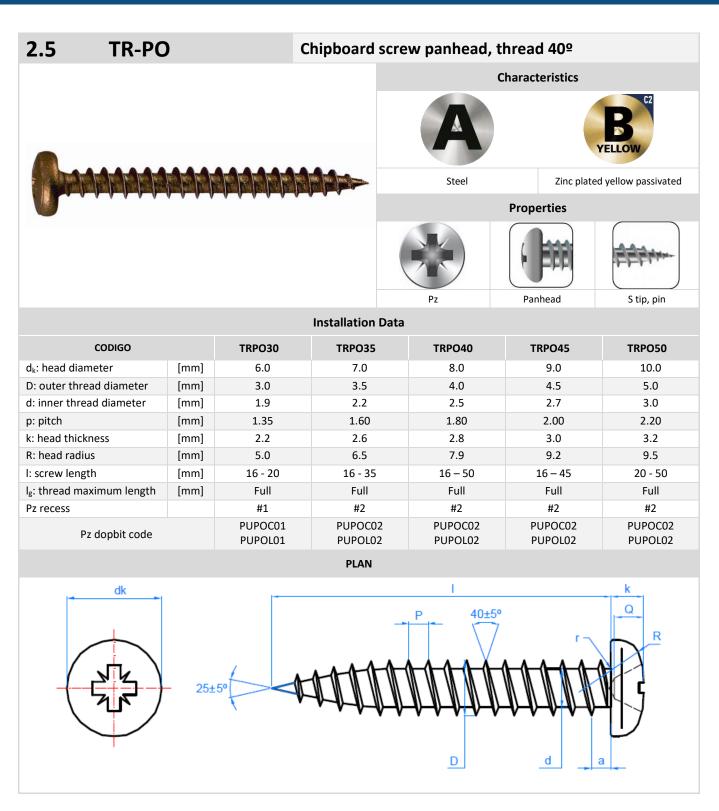
- 90^o countersunk head, 40^o wood thread, Pz recess..
- S tip allows wood straight drill.
- Applications:
 - Fixing metallic drilled connectors on wood.
 - Fixing metallic drilled reinforcements on wood.
 - Fixing hard wood on wood.





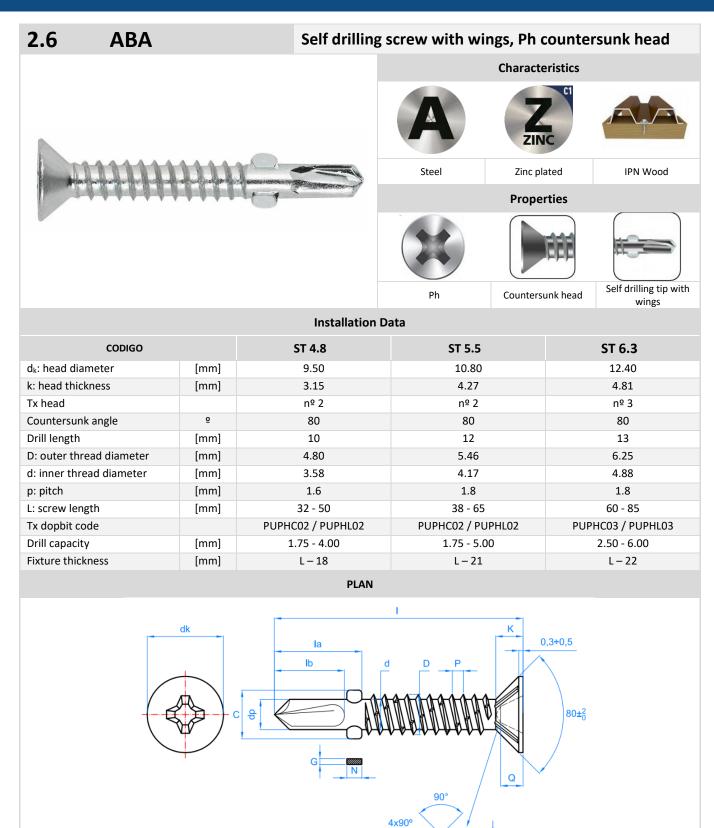
- Zinc plated; Thread diameter: 4.3 mm; Lengths: 25 70 mm.
- 90 ° countersunk head. 40° wood thread, wide pitch, Pz #2 recess.
- Self drilling screw, able to drill hard woods (oak, etc.) with no damage, and covered woods (melamine, etc.).
- With ribs under the head for straight wood and coating countersink..
- Applications:
 - Fixing hard surface woods (melamine, etc.).
 - \circ $\;$ Avoids damage in hard woods when drilling (American oak, etc.).
 - \circ ~ Fixing metallic drilled connectors on wood near the edges.
 - \circ Fixing wood on wood near the edge.





- Zinc plated yellow passivated.
- Panhead, 40^o wood thread, S tip allows direct drill on wood.
- Empleo:
 - Fixing handles, power dopbit, shields, etc





Rev: 12

10/01/23

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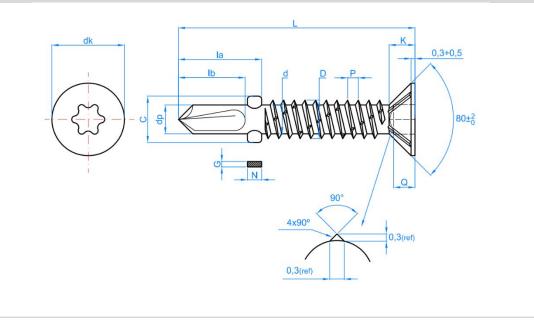


2.7 ATA

Self drilling screw with wings, Tx countersunk head









CHARACTERISTICS AND BENEFITS ABA/ATA

- Zinc plated.
- For fixing wood on metal (metal thickness > 1.75 mm).
- Both wings avoid the wood to be damaged by drilling a pilot hole.

With ribs under the head that countersunk the wood straight away, also melamine and other materials.

For assembling wood on metal, a hole in the wood is required with some space to avoid threading the wood before the drill in the strip is finished. Otherwise the drill tip could be burned, the wood broken or the fixing wood-strip unglued.

Take these precautions:

- Drill previously a hole bigger than thread's diameter.
- Use an extra-large self drilling screw (non commercial).
- Use a self drilling screw with two wings: the reamer created on the wood has a bigger diameter than thread so that this does not touch the wood. Wings and thread will break in contact with metal.

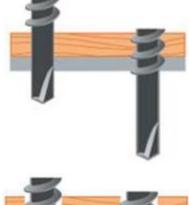
Standard drilling screw. The wood breaks.

Extra large drilling bit crew. Not standard.

2 wings self drilling screw.

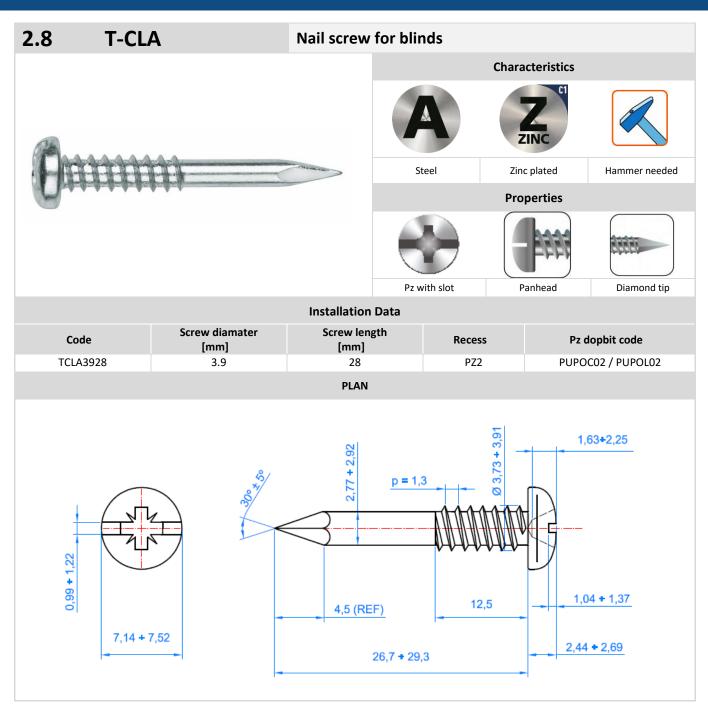
- a) Drills the wood.
- b) Wood ream + metal drill.
- c) Threads in the metal plate.





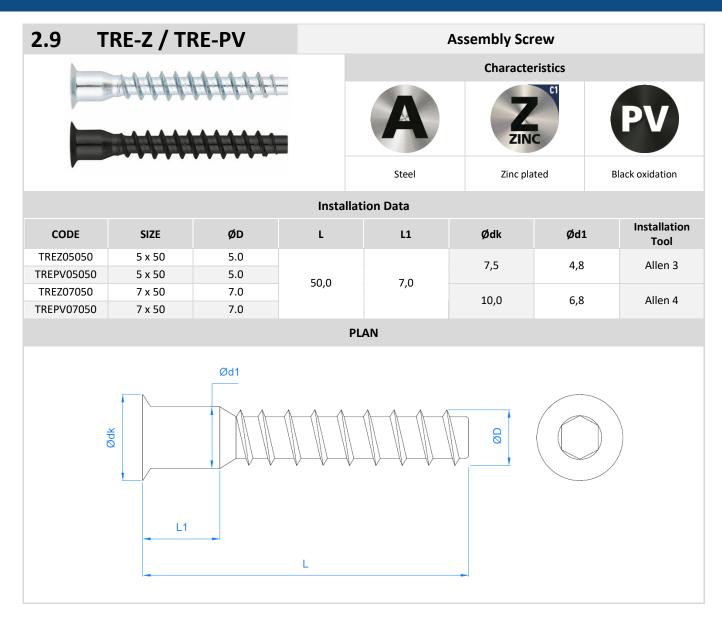






- Zinc plated.
- Pz #2 recess with slot.
- Pz dopbit PUPOC02, PUPOL02.
- Self tapping thread 60°.
- Nail tip.
- Application:
 - Venetian-blind fastening







2.10 FS	Metal-wood roofing screw									
	Properties									
	A	ZINC								
	Steel	Zinc-plated coating	Available in different colours							
Base material	Properties									
	Hexagonal with	Hexagonal with	Reduced screw							
Metal plate - Wood	embossed washer	embossed washer	point							
Installation data										
CODE		ST 4.8								
d _k : washer head diameter	[mm]	10								
k: head thickness	[mm] [mm]	4.9								
c: washer thickness	1.1									
s: spanner	8									
D: exterior thread diameter	4.80									
	d: interior thread diameter [mm]			3.30						
p: thread I: lengths	[mm]	2.1 19 – 35								
I _G : maximum thread length	[mm] [mm]	Completa								
Installation bit code (hexagonal magnetic bit)	BOCA008									
Drill capacity	1.50 máx									
	[mm] RAWING		1.50 max							
 Jinc-plated finish with lacquered head and washer. 										

• For use in metal-wood fixings.





2.11

COLOURED CUPS FOR HEAD SCREWS

Available coloured cups to decorate head screws:

- **TPTPAD**: Adherent cups 14 mm. diameter for thin head screws:
- o TPTPADBL: White
- TPTPADBE: Beige
- TPTPADGR: Grey
- TPTPADNE: Black
- TPTPADPI: Pine
- TPTPADRO: Oak
- TPTPADCA: Mahogany
- TPTPADNO: Walnut
- TPTPADHA: Beech
- TPTPADSA: Sapele
- TPTPADCE: Cherry wood
- TPTP: Plastic cups for Pz recess #2, diameter 12.5 mm:
- TPTPBLA: White
- TPTPMAR: Brown