

Mex[®] CLASSIC-A4

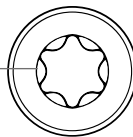
TECHNICAL DATA SHEET

Mex-Classic A4, made from austenitic stainless steel A4, is a screw specifically developed for fastening wooden components to support wooden structures.

The screw features a rounded head, driving thread, Torx profile, and many other advantages.

Description and Benefits of the Mex-Classic A4

TORX PROFILE: Transmits greater torque

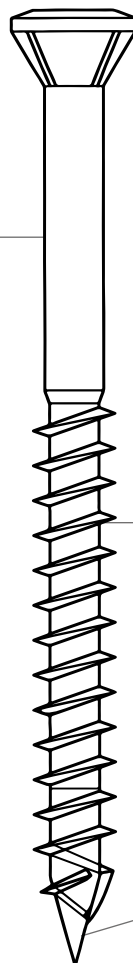


SCREW SHAFT: Reduces friction and installation torque, increases resistance to breakage, and ensures efficient power transmission

STAINLESS STEEL A4: Excellent corrosion resistance, ideal for outdoor use with woods high in tannins

+ PASSIVATION PROTECTION: Improves corrosion resistance

SUITABLE USE: Decks, outdoor furniture, and construction of hardwood and tropical wood structures with high tannin content, as well as for thermowood and softwood species



ROUNDED HEAD: The smaller, rounded head ensures an aesthetically pleasing, unobtrusive appearance when countersunk into wood

DRIVING THREAD: Allows quick screwing of wooden components to support wooden structures

TIP: Facilitates easy insertion into the wood

Mex[®] CLASSIC-A4

Material Description – Stainless Steel A4

- ✓ Suitable for woods with high tannin content, such as Cumaru, Merbau, Bangkirai, etc., as well as thermowood and softwoods species
- ✓ **Surface treatment by passivation** increases corrosion protection
- ✓ Suitable for saline environments
- ✓ Acid-resistant under certain conditions
- ✓ Can be used in service classes 1, 2, and 3 (ČSN EN 1995-1-1)
- ✓ Suitable for chlorinated environments to a limited extent



SOFTWOOD
AND HARDWOOD
APPLICATION



GOOD RESISTANCE
IN SALINE
ENVIRONMENTS



DECKING
APPLICATIONS



GENERAL USE
FOR WOOD
CONSTRUCTIONS



APPLICATION
IN AREA OF
INDOOR POOLS



ACID
RESISTANCE



Mex-Classic A4 is intended for:



Softwood species

- ✓ Spruce
- ✓ Siberian Larch
- ✓ Silesian Larch
- ✓ Cedar
- ✓ Pine (with and without pressure treatment)



Thermowood

- ✓ Thermowood Pine
- ✓ Thermowood Ash
- ✓ Thermowood Spruce



**Hardwood species –
with high tannin
content**

- ✓ Bangkirai
- ✓ Massaranduba
- ✓ Dark Red Meranti - Bukit
- ✓ Merbau
- ✓ Garapa
- ✓ Ipe
- ✓ Teak
- ✓ Cumaru
- ✓ Oak

Note: This recommendation may not apply to all usage scenarios. The properties and lifespan of the screw can be influenced by specific environmental conditions. Therefore, we recommend consulting with your dealer.

Mex[®] CLASSIC-A4

Decking Screw Offer

Art. No.	Screw Name	Size	Torx	Packaging
440A4CLAS	Mex-Classic-A4	4,0x40 mm	TX15	200 pcs
4550A4CLAS	Mex-Classic-A4	4,5x50 mm	TX20	200 pcs
4560A4CLAS	Mex-Classic-A4	4,5x60 mm	TX20	200 pcs
540A4CLAS	Mex-Classic-A4	5,0x40 mm	TX25	200 pcs
550A4CLAS	Mex-Classic-A4	5,0x50 mm	TX25	200 pcs
560A4CLAS	Mex-Classic-A4	5,0x60 mm	TX25	200 pcs
570A4CLAS	Mex-Classic-A4	5,0x70 mm	TX25	200 pcs

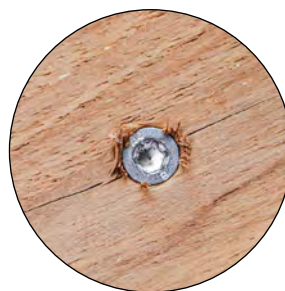
Assessment of screw properties

Product	Characteristic yield moment $M_{y,k}$ [Nmm]	Characteristic withdrawal parameter $f_{ax,k}$ [N/mm ²]		Characteristic head pull-through parameter $f_{head,k}$ [N/mm ²]	Characteristic tensile capacity $f_{tens,k}$ [kN]x	Characteristic torsional ratio
		perpendicular to the grain	parallel to the grain			
Mex-Classic-A4 ø 5,0 mm	4,184	16,24	15,24	19,15	5,41	2,09
Mex-Classic-A4 ø 4,5 mm	2,441	16,83	15,79	19,05	4,38	1,75
Characteristic density of wood [kg/m³]	–	350		350	–	450
Durability (i.e. corrosion protection)	Stainless steel AISI 316 (Service class 3 acc. to EN 1995-1-1)					

During installation, it is recommended to pre-drill holes for the screws to ensure accuracy and reduce the risk of material damage.



With Pre-drilling



Without Pre-drilling