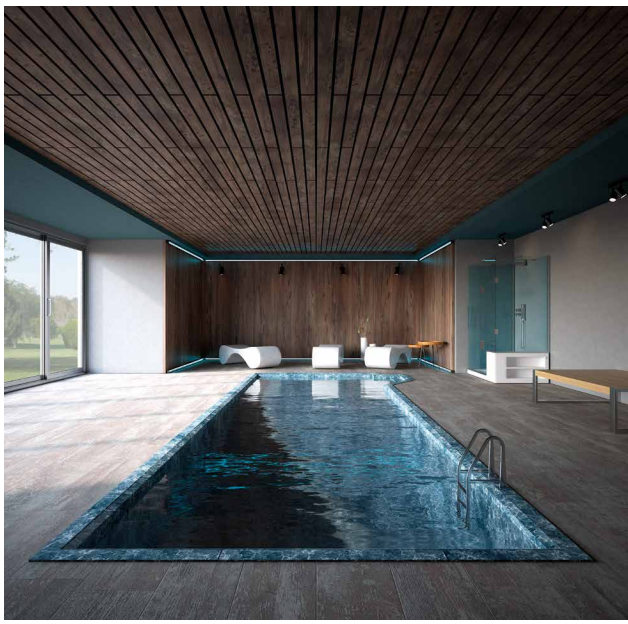
SCI HCR

COUNTERSUNK SCREW



MAXIMUM CORROSION PERFORMANCE

Rated in the highest corrosion resistance class by EN 1993-1-1:2006/A1:2015 (CRC V), it offers the highest atmospheric corrosion (C5) and wood (T5) resistance.

HCR: HIGH CORROSION RESISTANCE

Austenitic stainless steel. It is characterised by its high molybdenum and nickel content for maximum corrosion resistance, while the presence of nitrogen ensures excellent mechanical performance.

INDOOR POOLS

The chemical composition, in particular the high nickel and molybdenum content, confers strength to chloride pitting and, hence, stress corrosion cracking. This is the reason why it is the only category of stainless steel suitable for use in indoor swimming pools according to Eurocode 3.

BIT INCLUDED

DIAMETER [in]

0.14 — **0.20** — 0.32

LENGTH [in]

13/16 — **1 15/16** — **2 3/4** — 12 5/8

EXPOSURE CONDITION

WET

ATMOSPHERIC CORROSIVITY

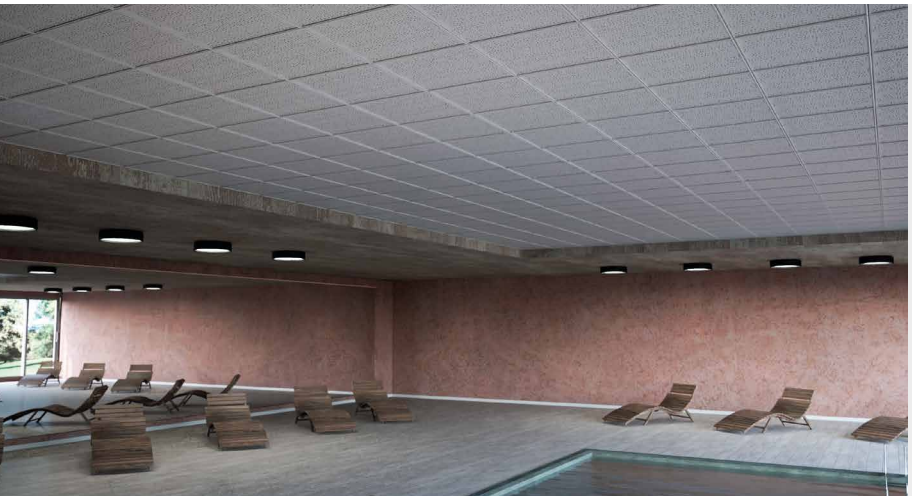
C1 C2 C3 C4 C5

WOOD CORROSIVITY

T1 T2 T3 T4 T5

MATERIAL

HCR | AL-6XN (CRC V) super-austenitic stainless steel



FIELDS OF USE

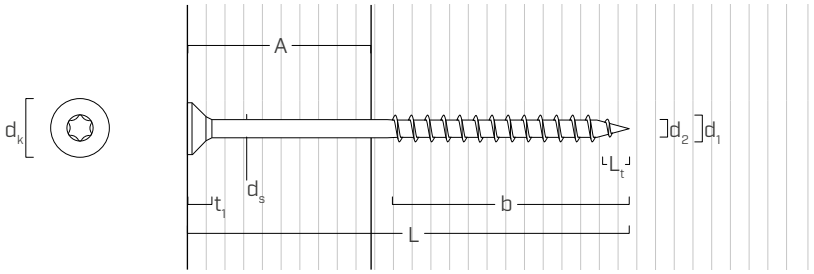
Outdoor and indoor use in extremely aggressive environments.

- indoor pools
- façades
- very wet areas
- oceanic climate

CODES AND DIMENSIONS

d_1 [mm] [in]	CODE	L [mm]	L [in]	b [mm]	b [in]	A [in]	pcs
5 **0.20 #11 TX 20**	**SCIHCR550**	50	1 15/16	30	1 3/16	3/4	200
	SCIHCR560	60	2 3/8	35	1 3/8	3/4	200
	SCIHCR570	70	2 3/4	42	1 5/8	1	100

GEOMETRY



Nominal diameter	**d_1**	**[in](1)**	**0.20**
Outer thread diameter	**d_1**	[mm]	5
		[in]	**0.197**
Head diameter	d_K	[in]	0.386
Root diameter	d_2	[in]	0.126
Shank diameter	d_S	[in]	0.142
Head thickness	t_1	[in]	0.183
Tip length	L_t	[in]	0.197
Pre-drilling hole diameter(2)	$d_{V,G\leq0.55}$	[in]	1/8
Pre-drilling hole diameter(3)	$d_{V,G>0.55}$	[in]	9/64

(1)The nominal diameter of the screw is converted into imperial units and rounded up to the nearest decimal point.
(2)Pre-drilling applies to timber with G≤0.55 (optional).
(3)Pre-drilling applies to timber with G>0.55 (required).

SAUNAS AND WELLNESS CENTRES

Ideal in environments with very high moisture and the presence of salts and chlorides.