StarDrive GPR®
Post screw

The StarDrive GPR® post screw is a full thread screw that expands our proven StarDrive GPR® assortment. The StarDrive GPR® post screw is specially designed for metal/wood connections. The underhead shoulder guarantees a perfect fit in the metal. The zinc nickel 1000+ surface is the ideal complement to hot-dip galvanised metal parts and is also suitable for use in demanding conditions.
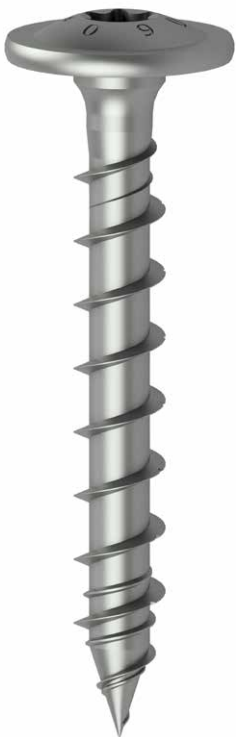
Washer head

> The washer head eliminates the need to use a separate washer

> Reduced assembly times - higher pull-through values
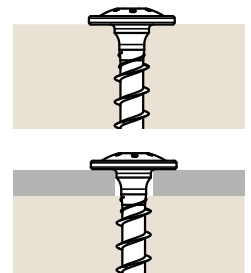
Underhead shoulder

> Centres the screw and guarantees a secure fit in the metal

Thread, tip

> Coarse thread including patented follower thread, rolled out to the tip

> Faster screwing processes

> Minimised blast effect

> Lower screw-in torque

> No pre-drilling necessary

ETA-12/0373

Post screw*	Length [mm]	
Drive	**40**	**60**
T40	Ø 8.0	

■ Zinc nickel 1000+
Chrome [VI] free

*Special lengths available upon request

Stardrive GPR® PS

Characteristics and values for C24

d	[mm]	ø 8
d_k	[mm]	20.0
d_i	[mm]	5.30
d_4	[mm]	7.8
$f_{ax,90,k}$	[N/mm²]	10.7
$f_{head,k}$	[N/mm²]	17.6
$F_{tens,k}$	[kN]	22.0
$M_{y,k}$	[Nmm]	22 600
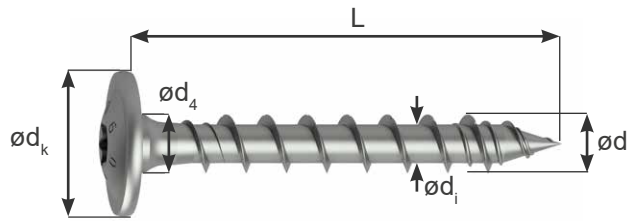
Values for C24 (ρ_k=350kg/m³), axial axis to grain: 30° - 90°,
F_{ax} = thread withdrawal force,
F_v = shear force (// to grain 0° − ⊥ to grain 90°),
$F_{V,Rk,thin}$= steel plate t ≤ d/2,
$F_{V,RK,thick}$= steel plate t ≥ d
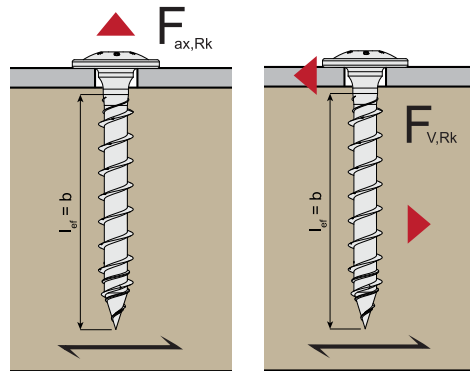
		AXIAL WITHDRAWAL		SHEAR		
				METAL – TIMBER		
ø	L/b	$F_{ax,Rk}$	$F_{ax,ASD}$	$F_{V,Rk,thin}$	$F_{V,Rk,thick}$	$F_{v,ASD}$
[mm]	[mm]	[kN]	[kN]	[kN]	[kN]	[kN]
8.0	**40**/32	2.74	1.28	1.57	3.24	0.68
8.0	**50**/42	3.60	1.68	2.07	3.76	0.89
8.0	**60**/52	4.45	2.08	2.56	4.36	1.11

ø 8.0

Type and printing errors reserved. The values stated are meant to serve as planning guides; projects should only be undertaken by authorised professionals.