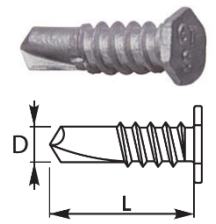


GTS-STAR

SELF-DRILLING SCREWS
FOR FIXING STEEL PROFILES



PRODUCT DESCRIPTION

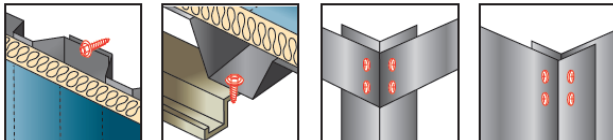
Self-drilling, self-tapping screws made of surface-hardened carbon steel, with drilling point #2, fine thread and a hex head, without a washer.

Additional corrosion protection: gRey.coat coating.


APPLICATION

Designed for fixing thin-walled steel profiles. Flat head provides good contact of drywall to steel structure. The threaded part under the head enables correct fixing of one element to another..

Designed for use in environments with corrosivity category C1, C2, C3 and C4 according to PN-EN ISO 12944-2:2001



LENGTH OF SCREWS

Fastener type		Dimensions D x L [mm]	Maximum drill capacity [mm]	Maximum thickness of fixed elements [mm]
			DC	MTmax
GTS-STAR	NA	4,8 x 16	3,00	4

The working length of the fastener is calculated from the maximum thickness of the DC substrate.

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CHARACTERISTIC LOAD BEARING CAPACITY FOR SHEAR AND PULL-OUT RESISTANCE IN A STEEL BASE

Substrate thickness ¹⁾ [mm]		0,75	0,88	1,00	1,25	1,50	Wood class \geq C24
$M_{t,nom}$		3Nm					
Attachment thickness ²⁾ [mm]	Characteristic load bearing capacity SHEAR [kN]	0,50	-	-	-	-	-
		0,55	-	-	-	-	-
		0,63	-	-	-	-	-
		0,75	1,56	1,56	1,56	1,56	1,56
		0,88	1,56	1,56	1,56	1,56	1,56
		1,00	2,10	2,10	2,10	2,10	2,10
	FOR PULL OUT [kN]	0,50	-	-	-	-	-
		0,55	-	-	-	-	-
		0,63	-	-	-	-	-
		0,75	0,60	0,60	1,22	1,43	1,99
		0,88	0,60	0,60	1,22	1,43	1,99
		1,00	0,60	0,60	1,22	1,43	1,99

¹⁾ steel grade S280GD, S320GD or S350GD according to PN-EN 10346:2015
²⁾ steel grade S280GD, S320GD or S350GD according to PN-EN 10346:2015

If both elements I and II are made of steel grade S320GD, values $V_{R,k}$ can be increased by 8,3%
 If both elements I and II are made of steel grade S350GD, values $V_{R,k}$ can be increased by 16,6%

OTHER FEATURES

BASE MATERIAL:	<i>COLD-ROLLED STEEL PROFILE, METAL SHEET</i>
SIZE OF HEX HEAD:	<i>6 mm</i>
MINIMUM THICKNESS OF STEEL BASE (OVERLAP):	<i>0,75 mm</i>
MAXIMUM DRILLING CAPACITY:	<i>3,00 mm</i>
ADDITIONAL CORROSION PROTECTION:	<i>gRey.coat</i>
CORROSIVITY CATEGORY:	<i>C4</i>
TECHNICAL OPINION ON CORROSION PROTECTION:	<i>02248/16/Z00NZM</i>
PAINTING POSSIBILITY:	<i>NO</i>
THICKNESS OF POLYESTER PAINT:	<i>50 µm</i>
TIGHTENING TORQUE:	<i>3 Nm</i>
RECOMMENDED SPEED OF THE TOOL WITHOUT LOAD:	<i>1800 rpm</i>



KDWU



ZKP