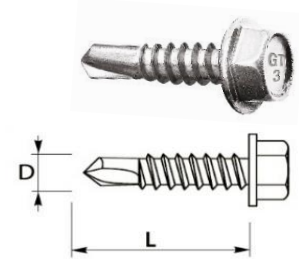


GT 3 HD

SELF-DRILLING SCREWS WITHOUT WASHER FOR FIXING STEEL SHEETS



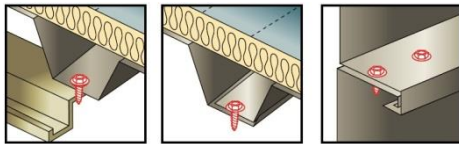
PRODUCT DESCRIPTION

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



APPLICATION

Designed for fastening corrugated construction steel sheets to thin-walled steel structures and for overlap joints fastening of construction steel sheets to each other. Protected with paint coating - polyester thickness of not less than 50 µm, intended for use in environments with corrosivity class C1, C2 and C3 according to PN-EN ISO 12944-2: 2001 standard.

Galvanized without paint coating intended for use in environments with corrosivity class C1, C2.



LENGTH OF SCREWS

Fastener type		Dimensions D x L [mm]	Maximum drill capacity [mm]	Maximum thickness of fixed elements [mm]	
			DC	MTmax	
GT 3 HD	NA	5,5 x 25	3,00	11	
GT 3 HD	NA	5,5 x 32	3,00	18	
GT 3 HD	NA	5,5 x 38	3,00	24	
GT 3 HD	NA	5,5 x 50	3,00	36	

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

NATIONAL TECHNICAL ASSESSMENT ITB-KOT-2018/0680

CHARACTERISTIC BEARING CAPACITY OF SHEAR AND PULL-OUT FIXINGS FROM STEEL SUBSTRATE

Thickness of substrate ¹⁾ [mm]		0,75	0,88	1,00	1,25	1,50	2,00	Wood class \geq C24
$M_{t,nom}$		5 Nm						
Thickness of steel substrate ²⁾ [mm]	Characteristic capacity For shear [kN]	0,75	1,90	1,90	1,90	1,90	1,90	—
		0,88	1,90	1,90	1,90	1,90	1,90	—
		1,00	3,20	3,20	3,20	3,20	3,20	—
		1,25	3,20	3,20	3,20	3,20	3,20	—
		1,50	3,20	3,20	3,20	3,20	3,20	—
	For pull-out [kN]	0,75	0,86	1,04	1,59	1,59	1,59	—
		0,88	0,86	1,04	1,59	1,59	1,59	—
		1,00	0,86	1,04	1,59	1,59	1,59	—
		1,25	0,86	1,04	1,59	1,59	1,59	—
		1,50	0,86	1,04	1,59	1,59	1,59	—

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, TRAPEZOIDAL METAL SHEET</i>
SIZE OF HEX HEAD:	<i>8 mm</i>
MINIMUM THICKNESS OF STEEL BASE (OVERLAP JOINTS):	<i>0,75 mm</i>
MAXIMUM CAPACITY OF DRILLING:	<i>3,00 mm</i>
THICKNESS OF ZINC COATING:	<i>12 μm</i>
CORROSIVE ENVIRONMENT:	<i>PAINTED - C3 UNPAINTED - C2</i>
OPINION ON ANTI-CORROSIVE PROTECTION:	<i>02248/16/Z00NZM</i>
POSSIBILITY OF PAINTING:	<i>YES</i>
PAINT COATING THICKNESS:	<i>50 μm</i>
TIGHTENING TORQUE:	<i>3 Nm</i>
RECOMMENDED ROTARY SPEED (IDLE):	<i>1800 rpm</i>



KDWU



ZKP