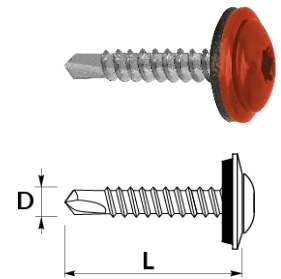


GT 3 PH Z14

SELF-DRILLING SCREWS WITH OVAL HEAD AND WASHER FOR FIXING STEEL SHEETS



PRODUCT DESCRIPTION

Self-drilling, self-tapping screws made of surface-hardened carbon steel, with a reduced drilling point #2, fine thread and oval head with TX-25 cut, with an integrated steel washer with vulcanized EPDM.


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 PH	Z14	4,8 x 19	3,00	3
GT 3 PH	Z14	4,8 x 22	3,00	6

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

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CHARACTERISTIC LOAD BEARING CAPACITY OF PULL-OUT RESISTANCE

tN,II* [mm]	1,00	1,25	1,50	2,00	
NR,k [kN] for tN,I* [mm]	0,50	1,08	1,08	1,08	1,08
	0,55	1,08	1,08	1,08	1,08
	0,63	1,38	1,38	1,38	1,38
	0,75	2,11	2,11	2,11	2,11
	0,88	2,29	2,29	2,29	2,29
	1,00	2,59	2,59	2,59	2,59
	1,13	2,59	2,59	2,59	-
	1,25	2,59	2,74	2,74	-
	1,50	2,59	2,74	3,41	-
	1,75	2,59	2,74	-	-
	2,00	2,59	-	-	-

Element I - sheet steel of S280GD grade; S320GD; S350GD according to EN 10346.

Element II - sheet steel of S280GD grade; S320GD; S350GD according to EN 10346.

In order to determine the design load, the characteristic load factor must be divided by the safety factor $\gamma_m = 1.33$.

CHARACTERISTIC LOAD BEARING CAPACITY OF SHEAR RESISTANCE FROM A STEEL BASE

tN,II* [mm]	1,00	1,25	1,50	2,00	
VR,k [kN] for tN,I* [mm]	0,50	0,97	1,43	1,69	2,19
	0,55	0,97	1,43	1,69	2,19
	0,63	0,97	1,43	1,69	2,76
	0,75	0,97	1,43	1,69	2,76
	0,88	0,97	1,43	1,69	2,76
	1,00	0,97	1,43	1,69	2,76
	1,13	0,97	1,43	1,69	-
	1,25	0,97	1,43	1,69	-
	1,50	0,97	1,43	1,69	-
	1,75	0,97	1,43	-	-
	2,00	0,97	-	-	-

Element I - sheet steel of S280GD grade; S320GD; S350GD according to EN 10346.

Element II - sheet steel of S280GD grade; S320GD; S350GD according to EN 10346.

In order to determine the design load, the characteristic load factor must be divided by the safety factor $\gamma_m = 1.33$.

OTHER FEATURES

BASE MATERIAL:	<i>COLD-ROLLED STEEL PROFILE, TRAPEZOIDAL METAL SHEET</i>
SIZE OF OVAL HEAD:	<i>TX-25</i>
MINIMUM THICKNESS OF STEEL BASE (OVERLAP JOINTS):	<i>1,00 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>
DIAMETER OF STEEL WASHER Z14:	<i>14 mm</i>



ETA



DWU/DoP



ZKP