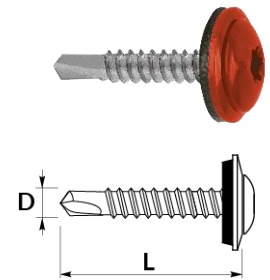


GT 5 PH Z14

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



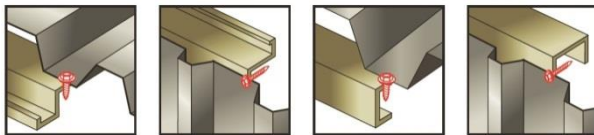
PRODUCT DESCRIPTION

Self-drilling, self-tapping screws made of surface-hardened carbon steel, electro-galvanized, drilling point #3, with fine thread and oval head with TX-25 cut, with integrated steel washer with vulcanized EPDM layer.


APPLICATION

Designed for fixing construction corrugated steel sheets to thin-walled steel structures. 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 5 PH	Z14	5,5 x 19	5,00	0
GT 5 PH	Z14	5,5 x 25	5,00	6

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

EUROPEAN TECHNICAL APPROVAL ETA-12/0580

CHARACTERISTIC LOAD BEARING CAPACITY OF SHEAR RESISTANCE

tN,II* [mm]	1,50	2,00	3,00	4,00	
VR,k [kN] for tN,I* [mm]	0,50	1,25	1,25	1,25	1,25
	0,55	1,25	1,25	1,25	1,25
	0,63	1,18	1,18	1,18	1,18
	0,75	1,70	1,70	1,70	1,70
	0,88	2,07	2,07	2,07	2,07
	1,00	2,32	2,32	2,32	2,32
	1,13	2,32	2,32	2,32	-
	1,25	3,41	3,41	3,41	-
	1,50	3,41	3,41	3,41	-
	1,75	3,41	3,41	3,41	-
	2,00	3,41	3,41	3,41	-

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 PULL-OUT RESISTANCE IN A STEEL BASE

tN,II* [mm]	1,50	2,00	3,00	4,00	
NR,k [kN] for tN,I* [mm]	0,50	1,78	2,55	2,63	2,63
	0,55	1,78	2,55	2,63	2,63
	0,63	1,78	2,55	3,59	3,59
	0,75	1,78	2,55	4,13	4,13
	0,88	1,78	2,55	4,14	4,14
	1,00	1,78	2,55	4,71	4,71
	1,13	1,78	2,55	4,71	-
	1,25	1,78	2,55	4,71	-
	1,50	1,78	2,55	4,71	-
	1,75	1,78	2,55	4,71	-
	2,00	1,78	2,55	4,71	-

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:	COLD-ROLLED STEEL PROFILE
SIZE OF OVAL HEAD:	TX-25
MINIMUM THICKNESS OF STEEL BASE:	1,50 mm
MAXIMUM CAPACITY OF DRILLING:	5,00 mm
THICKNESS OF ZINC COATING:	12 μ m
CORROSIVE ENVIRONMENT:	PAINTED - C3 UNPAINTED - C2
OPINION ON ANTI-CORROSIVE PROTECTION:	02248/16/Z00NZM
POSSIBILITY OF PAINTING:	YES
PAINT COATING THICKNESS:	50 μ m
TIGHTENING TORQUE:	5 Nm
RECOMMENDED ROTARY SPEED (IDLE):	1500 rpm
DIAMETER OF STEEL WASHER Z14:	14 mm

